'91 Soya Bluebook

A Soyatech Publication

Lucas Meyer

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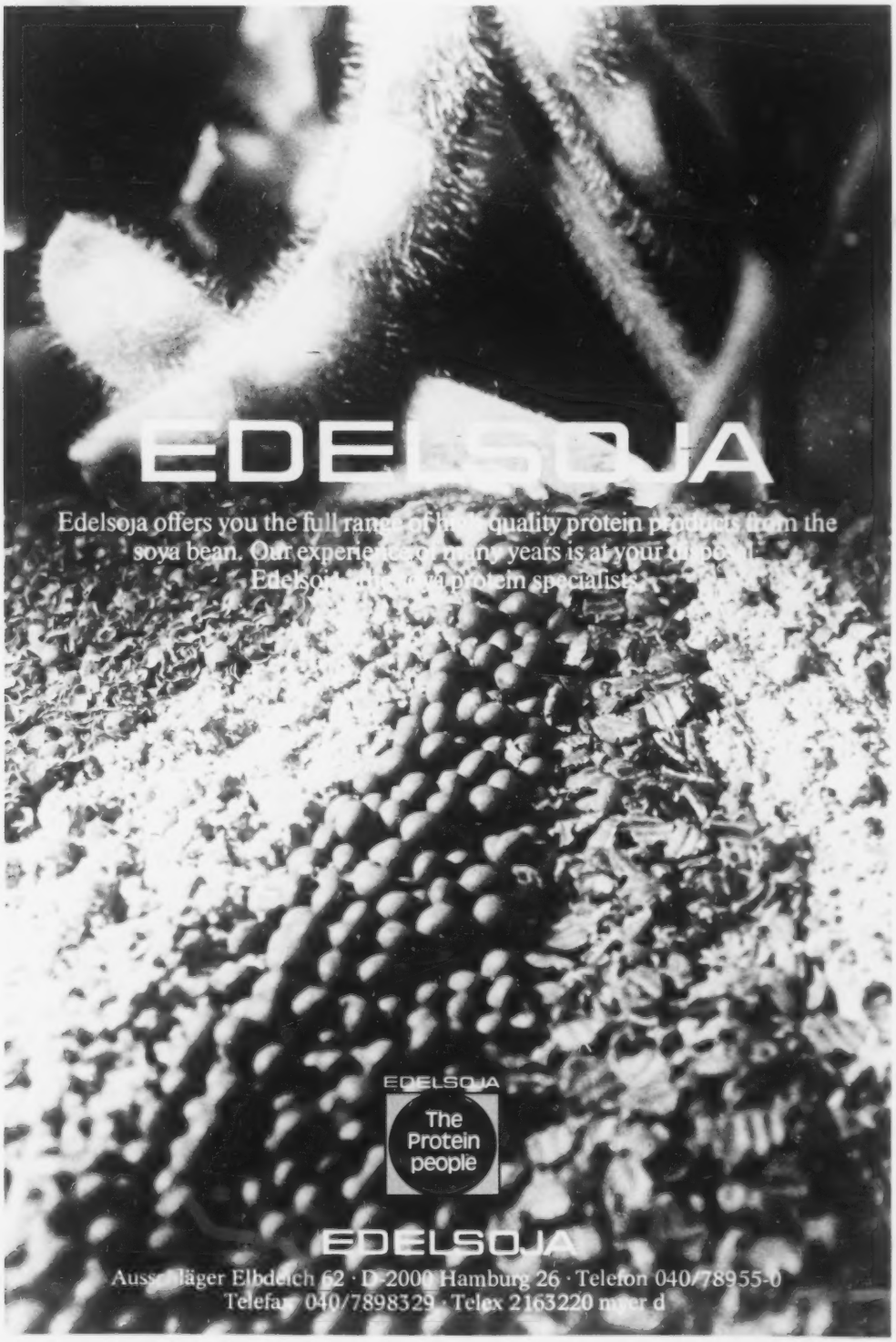
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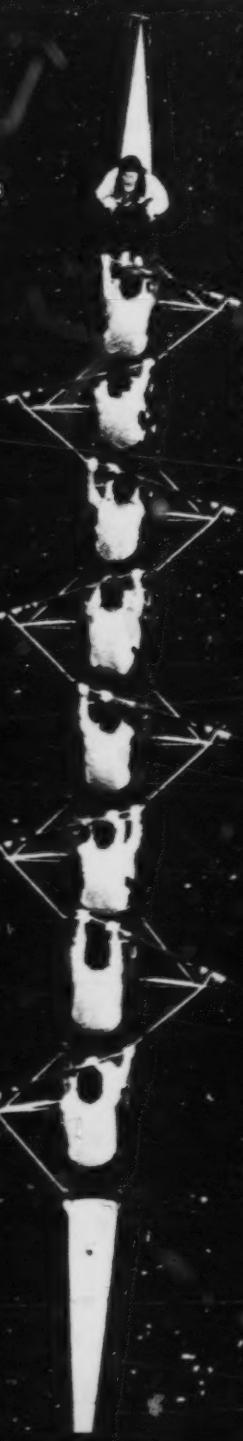

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Forward

Information. It can be the key to success in any business.
And the more competitive and rapidly changing an industry is, the more important it is to have access to current and comprehensive information. This is where **Soya Bluebook** fits in.

Since 1947, **Soya Bluebook** has been providing the world's soya industry with information on production, processors, soya products and suppliers to the industry. And now, with the 1991 edition, Soyatech introduces a new, larger format **Soya Bluebook.**

Along with the format change we have added some new features which we believe make the book quicker and easier to use. This includes a new and more complete indexing system for both soya products and equipment, supplies and services; and tabbed pages for easier access to sections.

This year you will also find company-supplied product specification sheets in the new catalog page sections. These pages are provided by advertisers to give potential buyers more information on specific soya products or equipment systems. These new sections will make the **Soya Bluebook** even more valuable for those making purchases using the book as a guide. Also, advertisers are now being highlighted at the top of category listings in bold type with their advertisement page number referenced. This helps to bring readers in touch more quickly with top companies in each area.

We have also expanded the reference section this year, adding nutritional information on soyfoods, soybean oil trading standards and a new, modern soyfoods product family chart.

Soya Bluebook is the only directory available which focuses solely on the world's $30 billion soya industry. It is used by thousands of companies and individuals in over 70 countries world-wide every year. And we believe that the **'91 Soya Bluebook** is the most ambitious and valuable edition yet published.

If you think your company should be listed, please contact us and we will send you a questionnaire. All listings are provided free to qualified companies and organizations.

As the industry continues to evolve over time, we strive to keep **Soya Bluebook** in pace with these changes. Let us know what you think. We hope that you as a reader find the **'91 Soya Bluebook** to be a valuable addition to your business library.

Peter Golbitz, Publisher

Soya Bluebook is published annually by **Soyatech, Inc.** Listings are provided free of charge to qualified members of the soybean industry. Every effort has been made to present a publication free of errors and/or omissions. In the event either occur, please contact the publisher of *Soya Bluebook* so corrections can be made in future editions. For additional copies of *Soya Bluebook* ($38, U.S., Canada and Mexico; $48 all other countries), contact **Soyatech, Inc.** For advertising rates and information, contact *Soya Bluebook* advertising sales manager. All inquiries should be directed to:

Soyatech, Inc.
318 Main Street, P.O. Box 84
Bar Harbor, ME 04609 U.S.A.
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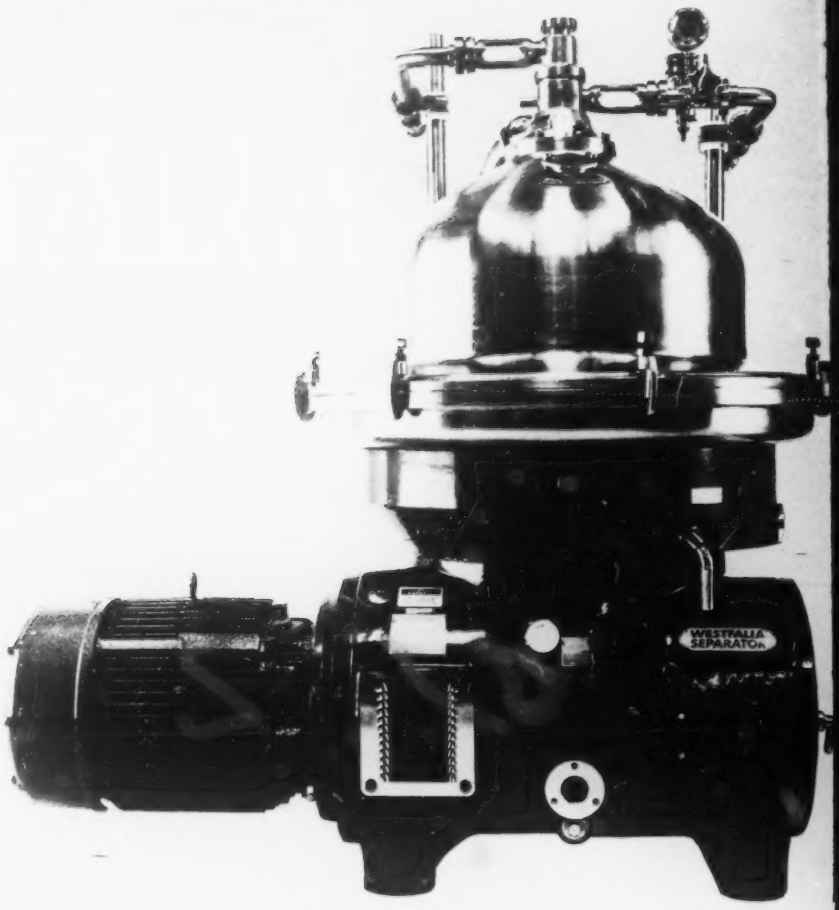

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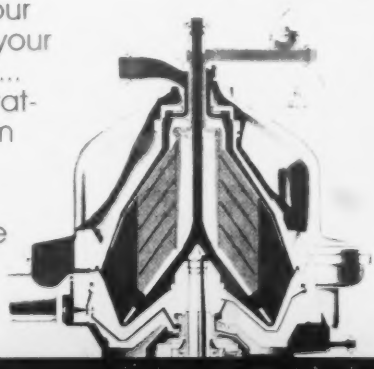

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Table of Contents

Organizations and Government Agencies

Country Index 11
Complete Listings, A-Z, By Country 13

Soybean Processors and Manufacturers of Soy-Based Products

White Pages — *Index of Products* 29
Companies Listed By Products Offered 30

Catalog Pages — Product Specification Sheets 53

Yellow Pages — *Country Index* 57
Complete Company Listings, A-Z, By Country 58

Guide To: Equipment, Supplies and Services

White Pages — *Index Of Products* 99
Companies Listed By Products Offered 101

Catalog Pages — Product Specification Sheets 143

Yellow Pages — *Country Index* 153
Complete Company Listings, A-Z, By Country 154

Soya Statistics

Index To Tables and Graphs 197
Tables and Graphs 198

Soya Reference

Soya Glossary 228
Standards & Specifications 231
Soya Technical Charts & Tables 239

Indexes

Comprehensive Index Of Companies and Categories 245
Advertiser Index 257

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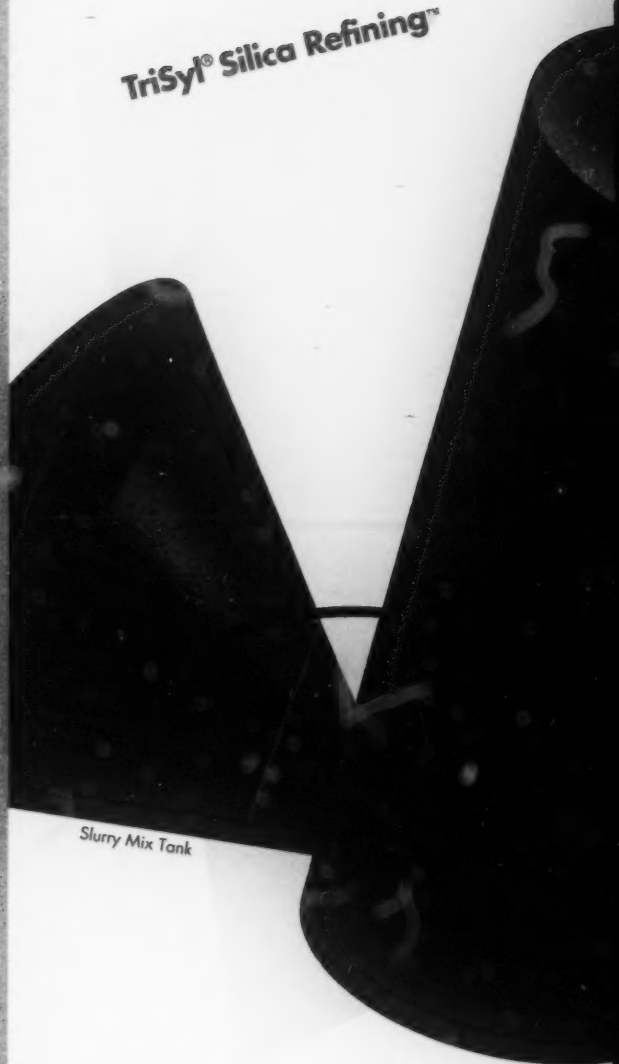

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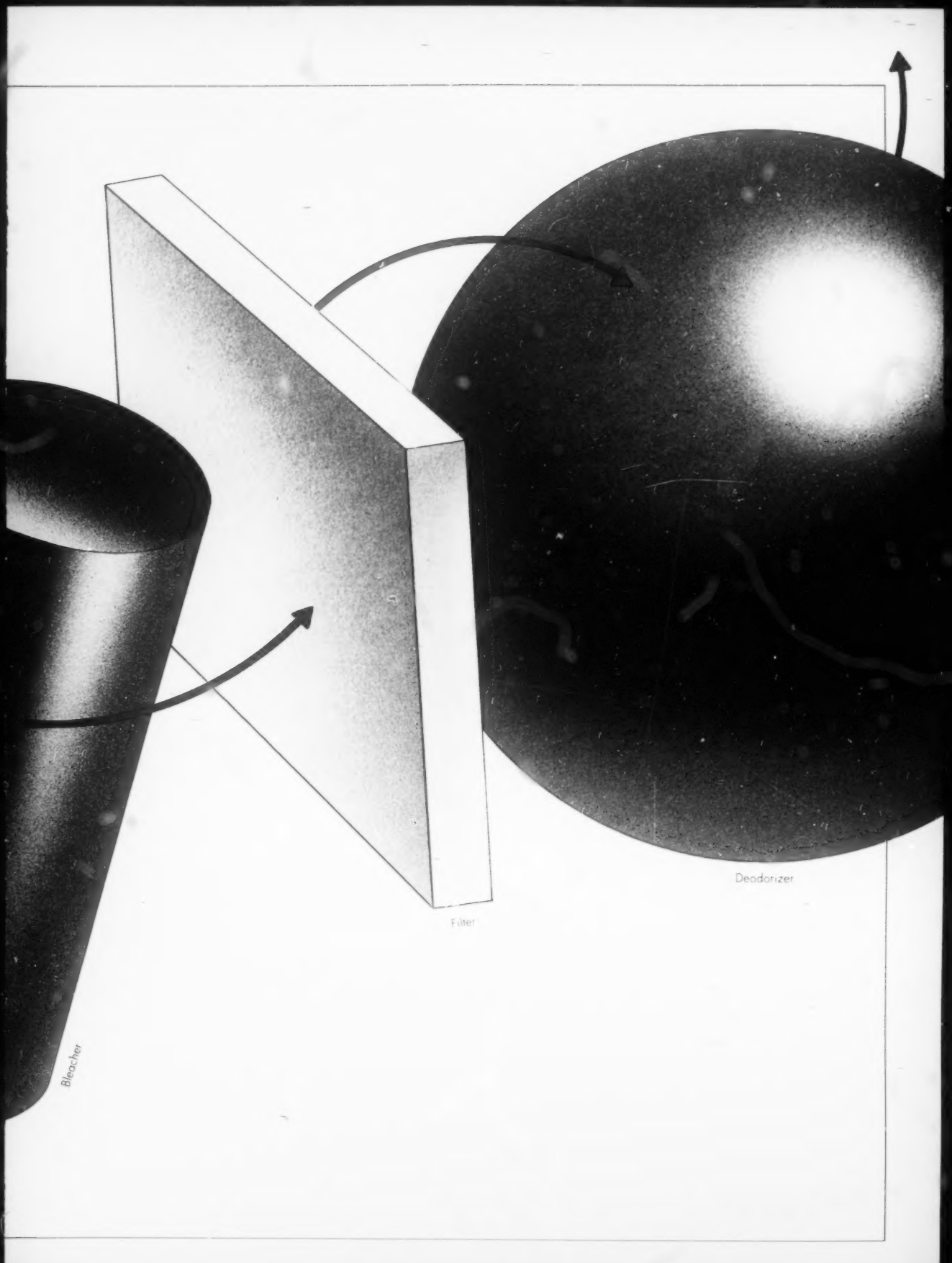
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Filter
Bleacher

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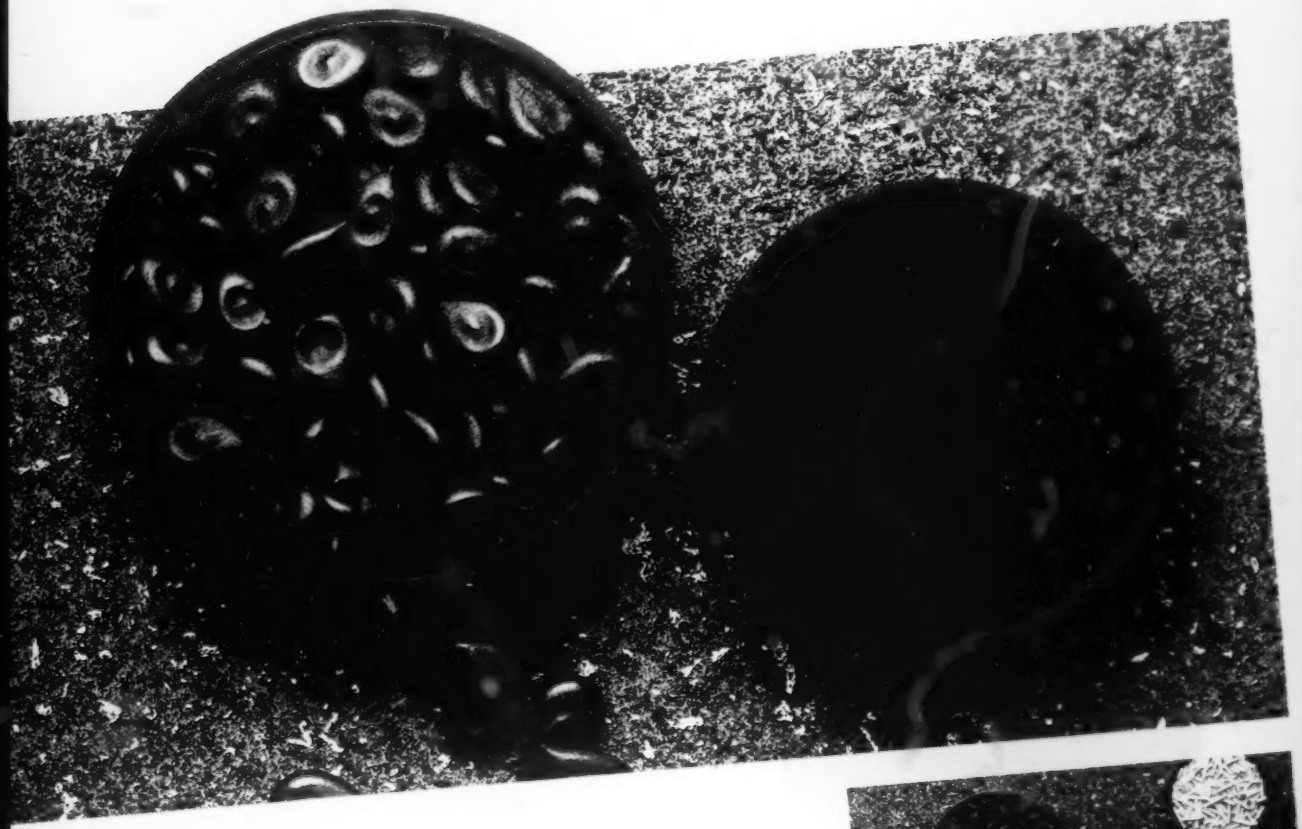

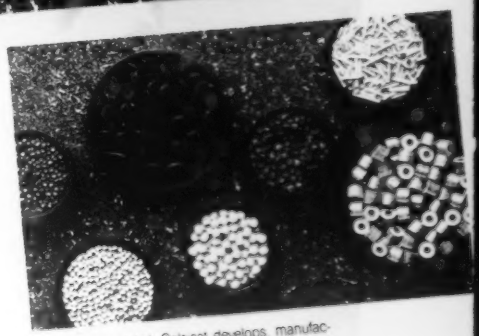

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Europe GmbH
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West Germany
Phone: (0 22 42) 8850
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Latin America/Far East
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The American Soybean Association has offices in:

MEXICO & THE CARIBBEAN BASIN
Rio Sena No. 26
Colonia Cuauhtemoc
MEXICO, D.F. 06500
Telephone: 566-9490
Telex: 23 7407461 (SOYA UC)

NORTH EUROPE
Pelzerstrasse 13
2000 Hamburg 1
FEDERAL REPUBLIC OF GERMANY
Telephone: 33-0516
Telex: 841-2163420 (SOYAD)

KOREA
Press Center, 8th Floor
25, Taepyungro 1-Ka
Chung-Ku
Seoul, KOREA
Telephone: 738-7056
Telex: 787-22276 (ASASELK22276)

CENTRAL EUROPE & USSR
Gatterburggasse 18/2/3
A-1190 Vienna, AUSTRIA
Telephone: 36 82 18
Telex: 847-135132 (AMSOYA)

PEOPLE'S REPUBLIC OF CHINA
Room 1323
China World Tower
No. 1 Jianguomenwai Avenue
Beijing 100004, PEOPLE'S REPUBLIC OF CHINA
Telephone: 505-1830
Telex: 716-22203 (USCOPCN)

JAPAN
Akasaka Tokyu Building
11th Floor
2-14-3 Nagatacho
Chiyoda-Ku
Tokyo 100, JAPAN
Telephone: 3593-2501
Telex: 23 7402322 (SOYA UC)

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Juan Alvarez Mendizabol #3,3°
Madrid 28008, SPAIN
Telephone: 542-2900/6212/7212
Telex: 831-46008 (SOYAE)

TAIWAN
Room 603, Kwang-Wu Building
No. 386, Tun Hua South Road
Taipei, TAIWAN, ROC
Telephone: 781-2110
Telex: 785-19422 (USBEANS)

SOUTH AMERICA
Centro Plaza, Torre C, Piso 18
Av. Francisco de Miranda
Los Palos Grandes
Caracas 1062, VENEZUELA
Telephone: 283-2329
Telex: 395-29119 (USATOVC)

SOUTH ASIA
541 Orchard Road
11-03 Liat Towers
REPUBLIC OF SINGAPORE 0923
Telephone: 737-6233
Telex: 23 740-7820 (BEANS UC)

WEST EUROPE
Centre International Rogier
Rooms 2501-2506, Boite 521
1210 Brussels, BELGIUM
Telephone: 217 20 75
Telex: 740-2804 (ASABUC)

American Soybean Association
WORLD HEADQUARTERS

540 Maryville Centre Drive, Suite 400, Box 27300 St. Louis, MO 63141-1700
Phone: 314/576-1770 TELEX: 23 740 7716 SOYA UC FAX: 314/576-2786

Organizations and Government Agencies

Trade Associations, Organizations and Agencies
Involved in Soya Market Development, Trade or Education

Listed, A-Z, By Country

COUNTRY INDEX

Australia 13
Austria 13
Bangladesh 13
Belgium 13
Brazil 14
Bulgaria 14
Canada 14
China, People's Republic of 14
Colombia 15
Costa Rica 15
Czechoslovakia 15
Dominican Republic 15
Ecuador 15
Egypt 15
El Salvador 15
England 15
France 16
Germany 16
Guatemala 17
Honduras 17
Hungary 17
India 17
Indonesia 18
Italy 19
Jamaica 19
Japan 19
Kenya 19
Korea, Republic of (South Korea) 20
Mexico 20
Morocco 20
Netherlands 20
Nicaragua 21
Nigeria 21
Pakistan 21
Panama 21
Peru 21
Philippines 21
Poland 21
Portugal 21
Romania 21
Saudi Arabia 21
Singapore 22
South Africa 22
Spain 22
Sweden 22
Syria 22
Taiwan 22
Tunisia 23
United Soviet Socialist Republic (U.S.S.R.) 23
United States of America (U.S.A.) 23
Venezuela 28
Yugoslavia 28
Zaire 28
Zambia 28
Zimbabwe 28

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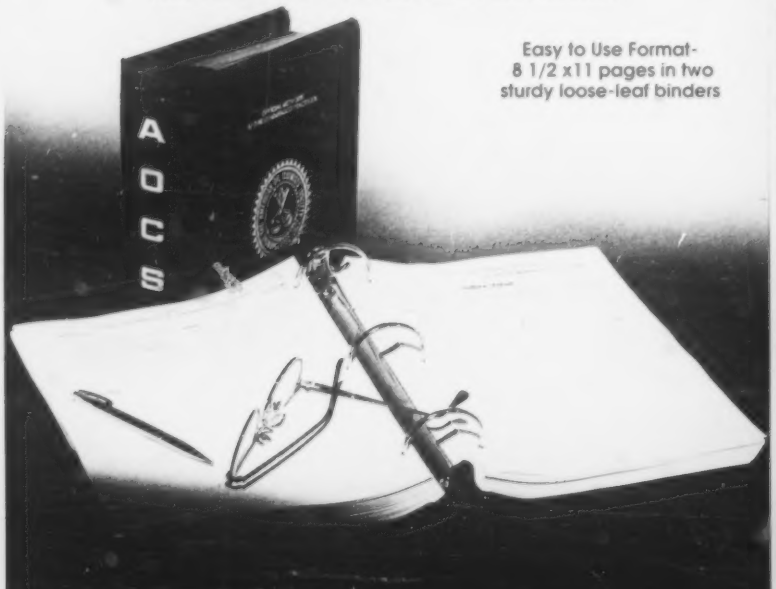

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AUSTRALIA

Australian Oilseed Crushers Association
6A Post Office Street, Suite 2, Pymble 2073, N.S.W., AUSTRALIA; PH: 61/2/449-5311.
CONTACT: Bryce Bell, Secy.
FOUNDED: 1963
MEMBERSHIP: 8 firms; vegetable oilseed crushers.
OBJECTIVES & ACTIVITIES: Develop the growing of oilseeds in Australia and domestic and export markets for seed, oil and meal.

Australian Oilseeds Federation
6A Post Office Street, Suite 2, Pymble 2073, N.S.W., AUSTRALIA; PH: 61/2/449-5311.
CONTACT: Bryce Bell, Secy.
FOUNDED: 1965
MEMBERSHIP: 28 oilseed grower, oilseed crusher, vegetable oil and protein user organizations and individual companies involved in the oilseed industry.
OBJECTIVES & ACTIVITIES: Encourage and promote the Australian oilseed industry.

The Oilseeds Marketing Board For the State of New South Wales
Kyle House, Level 1, 27-31 Macquarie Place, P.O. Box R227, Sydney 2000, N.S.W., AUSTRALIA; PH: 61/02/252-4500; FAX: 61/02/252-4506; TLX: AA25715 (OSEEDS).
CONTACT: John D. Ranken, Exec. Dir.
FOUNDED: 1973
MEMBERSHIP: 15 individuals comprising a statutory marketing authority for all N.S.W. oilseed growers.
OBJECTIVES & ACTIVITIES: Protect and insure best possible returns to growers; encourage production of oilseeds; encourage research and establish research priorities; act as liaison with the oilseeds processing industry and other grain marketing and bulk handling organizations; improve the distribution of grain to the domestic and export markets.
PUBLICATIONS: Commodity newsletters, quarterly, free.

AUSTRIA

American Soybean Association/East Europe ★
Gatterburggasse 18/2/3, Vienna A-1190, AUSTRIA; PH: 368218 or 368219; TLX: 135132; FAX: 43/1/369-1661.
CONTACT: Steven B. Nemeth, Dir.
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

Verband der Futtermittelindustrie
Zaunergasse 1-3, Postfach 144, Vienna A-1037 , AUSTRIA; PH: 0222/722121; TLX: 131247 (NAHRUNGA).
CONTACT: Dr. Klaus Smolka
FOUNDED: 1946
MEMBERSHIP: 8 firms or organizations; Austrian mixed feed manufacturers.
OBJECTIVES & ACTIVITIES: Represent the interests of members.
PUBLICATIONS: Ernahrung, monthly, OS-650.

BANGLADESH

Bangladesh Sugar and Food Industries Corporation (BSFIC) (GA)
Shilpa Bhavan, Motijheel C.A., Dhaka 2, BANGLADESH;
CONTACT: Mr. Nuruzzaman, Dir. of Mkting.
OBJECTIVES & ACTIVITIES: Importer of crude degummed soy oil; private refineries also import goods.

Bangladesh Vegetable Oil Refiners' and Vanaspati Manufacturers' Association
Sharif Mansion, Third Floor, 56/57 Motijheel Commercial Area, Dhaka 2, BANGLADESH; PH: 256492.
CONTACT: M. Nasir, Vice Chman.
FOUNDED: 1963
MEMBERSHIP: 9 firms; refiners of crude degummed soybean oil and producers of vegetable ghee/vanaspati.
OBJECTIVES & ACTIVITIES: Promote, protect and safeguard the interests of members.

BELGIUM

American Soybean Association/West Europe ★
Centre International Rogier, Room 2501-2506, Boite 521, Brussels 1210, BELGIUM; PH: 2/217-2075 or 217-9661; FAX: 2/217-1895; TLX: 846-26128 (AMSOYA B).
CONTACT: Dennis L. Blankenship, Dir.
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

Association Internationale de la Savonnerie et de la Detergence (AIS) ★ (International Association of the Soap and Detergent Industry)
Square Marie Louise 49, Brussels B-1040, BELGIUM; PH: 32/2/230-8371; TLX: 23167 (FECHIM AIS); FAX: 32/2/230-8288.
CONTACT: Pierre V. Costa, Secy. Gen.
FOUNDED: 1952
MEMBERSHIP: 18 national associations (Western Europe & Australia) representing more than 600 companies which are active in the soap and detergent sector of industry.
OBJECTIVES & ACTIVITIES: To examine all questions relating to the industry concerned with soaps, detergents and related products; to promote the common interests and knowledge of the industry represented by its member associations; to seek collective solutions to problems of common concern relating to human and environmental health; to represent the member associations in dealing with competent professional or supranational official bodies; to cooperate, as far as possible, with supranational authorities in the preparation of regulations which could affect the activities of the industry which it represents; to provide guidance for the member associations by its recommendations; to collect, exchange and disseminate all information necessary for the achievement of its objects; and in the achievement of its objects, the Association will ensure that the proposed measures will not interfere with free competition.
PUBLICATIONS: AIS Bulletin, bi-monthly, reserved to members; directories available from National Associations; Annual Statistical Tables, annual, edition 1988/89 B.F. 6,000.

Association Professionnelle des Fabricants d'Aliments Composes ★ (Belgian Association of Compound Feed Industry [BEFI])
Gasthuistraat 31, Brussels B-1000, BELGIUM; PH: 32/2/512-0955; FAX: 32/2/514-0351.
CONTACT: Yuan de Jaegher, Dir.
FOUNDED: 1944
MEMBERSHIP: 85 firms or organizations; animal feed factories.
OBJECTIVES & ACTIVITIES: Dispatching of information regarding the sectors involved with animal feed; organizing conferences; having conferences with government agencies about the implementation of agricultural policy.

EEC Seed Crushers and Oil Processors Federation (FEDIOL)
Rue de la Loi 74, Bte. 4, Brussels 1040, BELGIUM; PH: 32/2/230-3125; TLX: 23628 (OLMA); FAX: 02/230-2274.
CONTACT: Andre Sieffert

FOUNDED: 1958
MEMBERSHIP: 11 national associations of the seed crushing and oil processing industry of the EC member states.
OBJECTIVES & ACTIVITIES: To defend the interests, on the EC level, of the seed crushing industry and the crude oil and fat processing industry (vegetable and marine).

European Feed Manufacturers' Association (FEFAC) ★

Rue de la Loi, 223, Bte. 3, Brussels 1040 , BELGIUM; PH: 32/2/230-8715; FAX: 32/2/230-5722.
CONTACT: Andre P. Namur, Secy. Gen.
FOUNDED: 1959
MEMBERSHIP: 4 member associations & 11 correspondent members.
OBJECTIVES & ACTIVITIES: To promote the interests of the compound feed trade and the European livestock farmer; to ensure that the views of the compound feed manufacturers are fully represented and to enhance their reputation and that of FEFAC; to take action for the improved understanding of the role and the importance of the feed industry; to protect the industry from unfair practices & discrimination.
PUBLICATIONS: Feed and Food, annually, 1500. FB; Panorama, monthly; Feed Lex, 3 times/year.

European Vegetable Protein Association (EUVEPRO) ★

Leuvensestraat 29, Vilvoorde B-1800, BELGIUM; PH: 32/2/252-1052; FAX: 32/2/252-4199.
CONTACT: Arnold Van Hecke, Dir.
FOUNDED: 1977
MEMBERSHIP: 7 organizations representing vegetable protein producers and users.
OBJECTIVES & ACTIVITIES: Provide representation and promotion of the interests of vegetable protein producers and users.
PUBLICATIONS: EUVEPRO Newsletter, 3-4 times/yr, free; EUVEPRO Survey of Legislations, updated when needed.

Federation des Fabricants D'Huiles de Belgique (Federation of Belgian Oil Manufacturers)

74 Rue de la Loi Boite 4, B-1040 Brussels, BELGIUM; PH: 32/2/230-1192; TLX: 23628 (OLMA B).
CONTACT: Maritta Boetman, Secy.
FOUNDED: 1945
MEMBERSHIP: 9 firms; oilseed processors.

International Federation of Margarine Associations (IFMA)

Rue de la Loi 74, Bte. 3, Brussels 1040, BELGIUM; PH: 32/2/230-4810; TLX: 23-628 (OLMA B).
CONTACT: Ivan Hodac, Secy. Gen.
FOUNDED: 1958
MEMBERSHIP: 22 firms representing margarine producers and their national associations.
OBJECTIVES & ACTIVITIES: Enable member associations to collaborate on the solution of common problems of the margarine industry and promote and defend the interests of this industry.
PUBLICATIONS: Newsletter, 6 issues/yr, free; Annual General Meeting Report, annually BF500.

BRAZIL

ABIOVE—Associação Brasileira das Inds. Oleos Vegetais (Brazilian Vegetable Oil Industries Association)

Avenida Paulista, 460, 4º Andar, São Paulo 01310, S.P., BRAZIL; PH: 55/11/287-3433; TLX: 55/11/32010 or 36020 (ABOV); FAX: 55/11/285-3365.
CONTACT: Raul Paulo Costa, Exec. Pres.
FOUNDED: 1981
MEMBERSHIP: 62 oilseed processors or vegetable oil refineries.
OBJECTIVES & ACTIVITIES: To represent and support the interests of Brazilian crushers and refiners, and to collaborate with the Brazilian Government to aid development of socio-economic policies.
PUBLICATIONS: Informativo ABIOVE, monthly, free.

INTERBRAS (GA)

Rua 1º de Marco, 23/4º, 20010 Rio de Janeiro, R.J., BRAZIL.
CONTACT: Gunther Heinrich Hennies

BULGARIA

DSO Zarneni Hrani I Furazhna (GA)

Promishlenost, Blvd. A Stamboliyski 9, 1000 Sofia, BULGARIA.

CANADA

Centre de Recherche Industrielle du Quebec (CRIQ) (GA) (Industrial Research Center of Quebec)

333 Franquet, Sainte-Foy G1V 4C7, Quebec, CANADA; PH: 418/652-2228; FAX: 418/652-2251; TLX: 051-31569.
CONTACT: Louise Laflamme, Mkting. Analyst

FOUNDED: 1970
MEMBERSHIP: 450 individuals; 2 organizations.
OBJECTIVES & ACTIVITIES: Give assistance to Canadian manufacturers; marketing information, marketing research, diversification, etc., technical information or R & D.
PUBLICATIONS: Innovation, 3 times/yr., no cost.

Institute of Edible Oil Foods

1185 Eglinton Avenue, East, Suite 101, Don Mills M3C 3C6, Ontario, CANADA; PH: 416/429-1004; FAX: 416/429-1940.
CONTACT: Linda Reid, Mgr.
FOUNDED: 1954
MEMBERSHIP: 13 individuals, 13 firms consisting of growers, crushers and refiners of oilseeds, and manufacturers of edible oil products in Canada.
OBJECTIVES & ACTIVITIES: To represent members' "common interests" through government consultation and other consumer and trade issues where applicable—a nonprofit association.

Ontario Soybean Growers' Marketing Board

180 Riverview Drive, P.O. Box 1199, Chatham N7M 5L8, Ontario, CANADA; PH: 519/352-7730; FAX: 519/352-8983.
CONTACT: Fred Brandenburg, Secy. Mgr.
FOUNDED: 1949
MEMBERSHIP: 25,000 individuals; soybean producers in the Province of Ontario, Canada.
OBJECTIVES & ACTIVITIES: To achieve the best possible financial returns for the soybean grower and ensure the long-term viability of the soybean industry in Canada.
PUBLICATIONS: Newsletter, bimonthly, no cost.

Plenty, Canada ★

RR #3, Lanark K0G 1K0, Ontario, CANADA; PH: 613/278-2215; FAX: 613/278-2416.
CONTACT: M. Jeyabalan, Ag Program Officer
FOUNDED: 1976
MEMBERSHIP: 15 individuals working in third-world countries and home office staff.
OBJECTIVES & ACTIVITIES: Work on soy agriculture and processing; water and sanitation systems; and forestry. Our aid is to see a fair sharing to the world resources.
PUBLICATIONS: Plenty News, quarterly, free to donors.

CHINA, PEOPLE'S REPUBLIC OF

American Soybean Association/People's Republic of China ★

Citic International Bldg., 25th Floor,

Room 4, 19 Jianguomenwai Street, Beijing, CHINA, PEOPLE'S REPUBLIC OF; PH: 502-255 (ext. 2541); TLX: 716-22203 (USCOP CN).
CONTACT: Don H. Bushman, Dir.
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

COLOMBIA

Instituto De Mercadeo Agropecuario (IDEMA) (GA)
Subgerencia Comercio Exterior, Carrera 10a #16-82, Oficina 705, Bogota 1, D.E., COLOMBIA.
CONTACT: Guillermo P. Cardenas, Subgerente de Compras

COSTA RICA

Consejo Nacional de Produccion (CNP) ★ (GA)
P.O. Box 2205, San Jose 1000, COSTA RICA; PH: 506/23-6033, ext. 273. FAX: 506/339660; TLX: 376/2273 (CONAPRO).
CONTACT: Raul Gillot Fallas, Gen. Mgr.
FOUNDED: 1348
MEMBERSHIP: 50 individuals; small/medium farmers and animal food producers.
OBJECTIVES & ACTIVITIES: Price stabilization, production incentives and technical assistance.

CZECHOSLOVAKIA

KOOSPOL A.S. ★ (GA)
Leninova 178, Prague 6, CZECHOSLOVAKIA; PH: 42/2/366-355; TLX: 121121 (KOOS C).
CONTACT: Josef Chalupa, Dir.
OBJECTIVES & ACTIVITIES: Trading of soybeans and soybean meal pellets.

Zemedelske Zasobovani A Nakup (GA)
Generalni Reditelstvi, Praha 1, Opletalova 4, CZECHOSLOVAKIA; PH: 42/265-741; TLX: 121135.
CONTACT: Milos Protiva, Dir.

DOMINICAN REPUBLIC

Instituto de Estabilization de Precios (INESPRE) (GA)
Plaza de la Independencia, Santo Domingo, DOMINICAN REPUBLIC; PH: 533-3111 or 533-3117; TLX: 3460296.

ECUADOR

Ministerio de Industrias, Comercio e Integration (MICEI) (GA)
Juan Leon Mera y Roca, P.O. Box 194-A, Quito, ECUADOR; PH: 541854; TLX: 022166 (MICEI).
CONTACT: Ramon Recalde, Dir. Gen.
OBJECTIVES & ACTIVITIES: Agency in charge of import tenders.

Nacional de Almacenamiento y Comm. de Productos Agropecuarios (ENAC) (GA)
Edif MAG-2 Piso, Aves Amazonas y Eloy Alfaro, Quito, ECUADOR; PH: 544476; TLX: 2544.
CONTACT: Cevallos T. Francisco, Mgr.
OBJECTIVES & ACTIVITIES: Import/export, domestic crop support, whole crop marketing.

Nacional de Productos Vitales Emprovit (GA)
Edif MAG-3er Piso, Aves Amazonas y Eloy Alfaro, Quito, ECUADOR; PH: 237973; TLX: 2388.
CONTACT: Jorge R. Moran, Mgr.
OBJECTIVES & ACTIVITIES: Import/export retail marketing.

EGYPT

General Authority for Supply Commodities (GA)
Ministry of Supply & Home Trade, 24 Gomhoria Street, Cairo, EGYPT; PH: 937175; TLX: 2062.

Be Sure Your Company Is Listed In The '92 Soya Bluebook

EL SALVADOR

Asociacion de Ganaderos de El Salvador (AGES) (Cattlemen's Association of El Salvador)
6a. 10a. Calle Pte. No. 1833, Col. Flor Blanca, San Salvador, EL SALVADOR; PH: 503/233980; TLX: 20213 (INAGRO).
CONTACT: Arturo Muyshondt, Pres.
MEMBERSHIP: 24 individuals and companies involved in livestock operations.
OBJECTIVES & ACTIVITIES: Group all livestock owners into one organization; sell veterinary medicines, feed compounds and other livestock related products.
PUBLICATIONS: Revista AGES, yearly, free to members.

Instituto Regulardo de Abastecimientos (GA)
Edif. Prodisa, 7-A Av. Norte, Psj. 3 Cntr-Gobierno, San Salvador, EL SALVADOR.

ENGLAND

The Federation of Oils, Seeds and Fats Associations Ltd. (FOSFA Int'l.)
24 St. Mary Axe, London EC3A 8ER, ENGLAND; PH: 01/283-5511; TLX: 8812757 (FOSFA G); FAX: 01/623-1310.
CONTACT: D. A. Reffold, CEO & Secy.
FOUNDED: 1823
MEMBERSHIP: 50 individuals; 500 firms or organizations. Shippers, middlemen, receivers of oilseeds, oil and fats and ground nuts.
OBJECTIVES & ACTIVITIES: International contract issuing authority for the trade in oilseeds, oils and fats and HPS ground nuts. Provides regulation and arbitration services.
PUBLICATIONS: FOSFA Newsletter, quarterly, no cost; FOSFA manual, as required, £240; FOSFA Handbook, annual, £30.

The GAFTA Soya Bean Meal Futures Association, Ltd.
Baltic Exchange Chambers, 24/28 St. Mary Axe, London EC3A 8EP, ENGLAND; PH: 44/01/283-5146; TLX: 886984 (GAFTA G).
CONTACT: William J. Englebright, Secy.
FOUNDED: 1919
MEMBERSHIP: 680 firms associated with the worldwide food industry.
OBJECTIVES & ACTIVITIES: Promote improvements in the scientific and technical fields of the international food industry by providing routine and special analysis, long-term research, new product

development, consulting, information, databases and databanks, publications, training and conferences.
PUBLICATIONS: Numerous publications for purchase by members and non-members; list available.

Leatherhead Food Research Association

Randalls Road, Leatherhead, Surrey, ENGLAND; PH: 44/372/376761; FAX: 44/372/386228; TLX: 929846 (FOODRA G).
CONTACT: J. R. Swift, Sales Mgr.
FOUNDED: 1919
MEMBERSHIP: 75 food manufacturers, and ingredient and equipment suppliers and retailers.
OBJECTIVES & ACTIVITIES: Research and information services to enable member companies to operate more efficiently and with enhanced food safety.
PUBLICATIONS: Abstracts Journal, Food Science & Technology, monthly, $240/yr; Legislation manuals, regular updates; various prices; other publications available upon request.

Margarine & Shortening Manufacturers' Association ★

6 Catherine Street, London WC2B 5JJ, ENGLAND; PH: 44/071/836-2460; TLX: 299388 (FDF 9); FAX: 44/071/836-0580.
CONTACT: Angela Bowden, Secy. Gen.
MEMBERSHIP: 12 firms or organizations. All manufacturers of margarine and shortening in the United Kingdom.
OBJECTIVES & ACTIVITIES: To promote the interests of the margarine and shortening industry in the United Kingdom.

FRANCE

Centre Technique Interprofessionnel des Oleagineux Metropolitains (CETIOM) ★

(Association of French Oilseed Producers)
174 Avenue Victor Hugo, 75116 Paris, FRANCE; PH: 331/4505-1423; TLX: 611-907 (SIDO).
CONTACT: Emile Choné
FOUNDED: 1957
MEMBERSHIP: 110 individuals representing associations of oilseed producers in France.
OBJECTIVES & ACTIVITIES: Perform applied production research for all oilseeds; extension and development.
PUBLICATIONS: Informations Techniques, 4 times/yr, ƒ50/yr; Oleoscope, 6 times/yr, ƒ210/yr.

Federation AMSOL ★★

12, Avenue George V, 75008 Paris, FRANCE; PH: 33/14/720-1014; FAX: 33/14/720-2848; TLX: 613683 (AGRISEM).
CONTACT: Claude Heros, Dir.
FOUNDED: 1948
MEMBERSHIP: 130 seed breeding and seed producing firms (oilseeds and proteinseeds).
OBJECTIVES & ACTIVITIES: To promote and represent the general business interests of our members.

Fédération du Négru Agricole (INAC) ★★

256, Bourse du Commerce, Paris 75040, FRANCE; PH: 33/42/33.21.81; FAX: 33/42/36.90.45.
CONTACT: Director
FOUNDED: 1946
MEMBERSHIP: 1200 private firms involved in agricultural merchandising (a link between producers and processors).
OBJECTIVES & ACTIVITIES: Insuring the promotion of the industry, products and market services as well as providing fiscal, social, medical and economic services to its members. Also, as a financial organization, insuring the financial security of the industry.
PUBLICATIONS: Negru et Agriculure, monthly, ƒ480 (HT).

Groupe d'Etudes de Proteine Végétals (GEPV)

Association for the Study of Vegetable Proteins
10 A, Rue de la Paix, Paris 75002, FRANCE; PH: 33/1/42965029; TLX: 1/230905 (STABILI); FAX: 1/47039878.
CONTACT: Aldo Uzzan, Scient. Consultant
FOUNDED: 1976
MEMBERSHIP: 11 companies producing, marketing and/or using vegetable proteins in France.
OBJECTIVES & ACTIVITIES: Communication and promotion for VPP uses in foods (scientific, industrial, legal, consumerism aspects); relations with other associations (within EUVEPRO).

Institut des Corps Gras (ITERG) ★

(Fats and Oils Institute)
10/A, Rue de la Paix, F-33600 Pessac, FRANCE; PH: 33/56/36 00 44; TLX: 230905 (STABILI).
CONTACT: Jean B. Chazan, Gen. Mgr.
FOUNDED: 1943
MEMBERSHIP: 300 firms or organizations in the fats and oils industry.
OBJECTIVES & ACTIVITIES: Conduct scientific and technical research and development on fats, oils and related products, especially in the field of analytical and organic chemistry, biotechnology, technology (pilot plants.)
PUBLICATIONS: Revue Francaise des Corps Gras, 10 times/yr, ƒ940.

ONIDOL - SOJA ★

5 Bld. de la Mediterranée, Toulouse 31400, FRANCE; PH: 33/61/53-8180; TLX: 531477 (F); FAX: 61/55-0837.
CONTACT: Prudon Emmanuel, Ingenieur
FOUNDED: 1978
MEMBERSHIP: Families involved in oilseeds production and use/producers; industrials in seeds, seed storage and transformation.
OBJECTIVES & ACTIVITIES: Organizing production; developing uses of soy products.
PUBLICATIONS: L'Inoculum, quarterly, 60 f/yr.

Organization Nationale Interprofessionnelle des Oleagineux (ONIDOL)

(National Oilseeds Organization)
12, Avenue George V, Paris 75008, FRANCE;
PH: 33/1/47208055; TLX: 612575.
CONTACT: Mkting. Dir.
FOUNDED: 1975
MEMBERSHIP: 7 organizations which represent oilseed production, processing and marketing.
OBJECTIVES & ACTIVITIES: Represent the interests of the oilseed market in the framework of the EEC rules and French legislation on interprofessional organizations.

Societe Interoleagineuse D'Assistance et de Developpement (S.I.A.) (GA)

Service Documentation, 12, Avenue George V, Paris 75008, FRANCE; PH: 60.69.68.00; FAX: 67.23.82.30.
CONTACT: Sophie Criton, Documentalist
FOUNDED: 1978
MEMBERSHIP: 80 individuals.
OBJECTIVES & ACTIVITIES: Lobby for oleogeanous.

GERMANY

American Soybean Association/North Europe ★

Pelzerstraße 13, 2000 Hamburg 1, GERMANY, FEDERAL REPUBLIC OF; PH: 0049/40/330516 or 336783; FAX: 49/40/327122; TLX: 2163420 (SOYA D).
CONTACT: Dieter Kundrun, Acting Dir.
FOUNDED: 1960
MEMBERSHIP: Soybean processing industry and feed, fats and oil manufacturers.
OBJECTIVES & ACTIVITIES: Marketing activities: extensive consulting, advertising, public relations addressed to consumers, industry and trade as well as research work in order to improve the quality of soybeans.

Deutsche Gesellschaft fur Ernahrung (DGE) ★

(German Society of Nutrition)
Feldbergstrasse 28, D-6000 Frankfurt 1, GERMANY, FEDERAL REPUBLIC OF; PH: 49/69/7-20146.
CONTACT: Volker Peinelt, Food Scientist
FOUNDED: 1953
MEMBERSHIP: 1,700 individuals; 150 firms.

OBJECTIVES & ACTIVITIES: Advise in matters of nutrition for individuals and mass catering; sponsor scientific meetings and publications.
PUBLICATIONS: Ernahrungsuorschau, monthly, Ernahrungsbericht, every 4 years, Empfehlungen Fur Die Nahrstoffzufuhr, every 5 years. Numerous publications of data and research on various matters of nutrition; list available.

Deutsche Gesellschaft fur Fettwissenschaft e.V. ★ (German Society for Fat Science)

Soester Straße, 13, D-4400 Münster, GERMANY, FEDERAL REPUBLIC OF; PH: 0251/64745.
CONTACT: Dr. Heinrich Brüning
FOUNDED: 1936
MEMBERSHIP: 300 individuals; 150 firms.
OBJECTIVES & ACTIVITIES: Promote unity and common goals among different disciplines within the fats industry.
PUBLICATIONS: Fett Wissenschaft Technologie (Fat Science Technology), 14 times/yr., DM464,80.

Margarine-Institut für Gesunde Ernährung ★

Friesenweg 1, D-2000 Hamburg 50, GERMANY, FEDERAL REPUBLIC OF; PH: 040/882091.
CONTACT: Ingo Witte, Dir.
FOUNDED: 1962
MEMBERSHIP: 13 margarine manufacturers.
OBJECTIVES & ACTIVITIES: To improve the image of vegetable premium margarine through PR activities by providing information on raw materials, manufacturing and product properties (include health aspects).
PUBLICATIONS: Pressedienst Margarine Institut (PDM) 6 times/yr, free of charge.

Nahrung Export-Import (GA)

Schicklerstrasse 7, 1020 Berlin, GERMANY, FEDERAL REPUBLIC OF; PH: 37/2/21480; TLX: 114893.
CONTACT: Manfred Wolf, Gen. Dir.
OBJECTIVES & ACTIVITIES: Sole importer of soybeans and soybean products.

Verband Deutscher Oelmuhlen e.V. ★

Kronprinzenstrasse 24, D-5300 Bonn 2, GERMANY, FEDERAL REPUBLIC OF; PH: 0228-363056; FAX: 0228/361268; TLX: 885630 (OELVB D).
CONTACT: Hanno Juhe, Secy. Gen.
FOUNDED: 1901
MEMBERSHIP: 1 individual, 15 firms active in the seed-crushing and oil refining business.
OBJECTIVES & ACTIVITIES: Representation of the industry and its interests to national authorities, legislative bodies and trade associations through membership in European and international trade associations.

Verein der Getreidehandler der Hamburger Borse e.V. ★

Borse-Kontor 24, Adolphsplatz 1, D-2000 Hamburg 11, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/362025; FAX: 49/40/362029; TLX: 17/403968 (VDGH).
CONTACT: Ferdinand Kemme, Dir. Gen.
FOUNDED: 1868
MEMBERSHIP: 165 firms; importers, exporters and merchants of grain, feedstuffs, legumes, seeds and the respective brokers.
OBJECTIVES & ACTIVITIES: Taking the interest of the trade, representing and administrating the exchange and arbitrations.

ZENTRAL - KOMMERZ GmbH (GA)

Parkstrasse 4-A, Berlin 1100, GERMANY, FEDERAL REPUBLIC OF.
CONTACT: Gerhard Kuhse, Dir. Gen.

GUATEMALA

ANAVI (GA)

Av. de la Reforma 8-60, Zona 9, Edif. Galerias Reforma, 9º Nivel, Guatemala City, GUATEMALA; PH: 502/2/311381 or 311389; FAX: 502/2/347576; TLX: 6215 (ANAVI GU).
CONTACT: Mario A. Motta, Gen. Mgr.

HONDURAS

Ministerio de Recursos Naturales (GA)

Tegucigalpa, HONDURAS.
CONTACT: Cesar Noe Pino

HUNGARY

AGRIMPEX Trading Company Ltd. ★ (GA)

International Dept., Munich Ferenc u. 22, P.O. Box 278, Budapest 1392, HUNGARY; PH: 36/1/1113-800; FAX: 36/1/1530-658.
CONTACT: A. Vermes, Gen. Dir.
OBJECTIVES & ACTIVITIES: Soybeans, soy meal, soybean oil.

Agrokomplex Central Soya Takarmanyozastechnologiai Egyuttmukodes ★ (Agrokomplex, Central Soya Cooperation for Feeding Technology)

H-8112 Zichyujfalu, HUNGARY; PH: 36/22/111-45; TLX: 21249 (MGKAG H).
CONTACT: Gabor Reischl, Dir.
FOUNDED: 1970
MEMBERSHIP: 355 firms including state farm and farm cooperatives.
OBJECTIVES & ACTIVITIES: Supply members with complete premixes and finished feeds.
PUBLICATIONS: Agrokomplex Informatio, quarterly.

Grain Trading Company Ltd. ★ (GA)

Dorottya 1, P.O. Box 232, Budapest 1368, HUNGARY; PH: 36/1/118-3900; FAX: 36/1/118-1299; TLX: 22-4451.
CONTACT: Daniel Lacfi, Man. Dir.
FOUNDED: 1965
MEMBERSHIP: 19 county enterprises, 1 research institute and 1 service center.
OBJECTIVES & ACTIVITIES: Grain Trust is responsible for: (1) procuring of wheat, maize & other feedstuffs; (2) milling for human consumption (100% of the country); (3) producing mixed feed for domestic animals (50% of the country).
PUBLICATIONS: GABONAIPAR (Grain Industry); quarterly; no cost.

Magyar Elelmezesipari Tudomanyos Egyesulet ★ (Hungarian Scientific Society for Food Industry)

Akademia Utca 1-3, P.O. Box 5, H-1361 Budapest, HUNGARY; PH: 36/1/122-859; TLX: 225792 (MTESZ).
CONTACT: Istvan Toth-Zsiga, Secy. Gen.
FOUNDED: 1949
MEMBERSHIP: Approximately 12,000 individuals. Membership is free for scientists and practical technicians.
OBJECTIVES & ACTIVITIES: Develop and stimulate research in all fields of the food industry; to interpret results and transmit findings to those in the practice.

INDIA

The Bombay Oilseeds & Oils Exchange Ltd. ★

Jenabai Building, Yusuf Meheralli Road, P.O. Box 13009, Bombay 400 003, Maharashtra, INDIA; PH: 91/22/324361 or 321510.
CONTACT: Gunvant K. Shah, Secy.
FOUNDED: 1938
MEMBERSHIP: 500 traders/manufacturers of oilseeds, oils and oilcakes and articles manufactured out of same.
OBJECTIVES & ACTIVITIES: Promote and protect the interests of the persons

engaged in the trade or business of oilseeds, oils, oilcakes and articles manufactured out of same.
PUBLICATIONS: Oilseeds & Oils Bulletin, daily, RS. 400/non-members, RS. 300/members; Oils & Oilseeds Journal, monthly, RS. 240/domestic, US $35/foreign.

Cooperative League of the USA (CLUSA)
805 Chiransiv Tower, 43 Nehru Place, New Delhi 110 019, INDIA; PH: 91/11/641-7374; TLX: 031-62584.
CONTACT: Thomas R. Carter, Rep.
FOUNDED: 1916
MEMBERSHIP: 400 firms or organizations which are cooperative businesses of all kinds.
OBJECTIVES & ACTIVITIES: The promotion of business development and trade relationships, mutual cooperation and education.

The Grain, Rice and Oilseeds Merchants Association
72-80 Yusuf Meheralli Road, Bombay 400003, INDIA; PH: 91/22/324021 or 324022.
CONTACT: R. J. Bhatt, Secy.
FOUNDED: 1899
MEMBERSHIP: 1,049 traders dealing in wholesale foodgrains and oilseeds.
OBJECTIVES & ACTIVITIES: Promote the foodgrains and oilseeds trade.
PUBLICATIONS: Vanijya, monthly, RS.10/yr.

Indian Oil and Produce Exporters Association ★
78-79 Bajaj Bhawan, 7th Floor, Nariman Point, Bombay 400 021, Maharashtra, INDIA; PH: 91/22/202-3225 or 202-9295; TLX: 85637 (IOPE).
CONTACT: G. Chandra Shekhar, Secy.
FOUNDED: 1956
MEMBERSHIP: 240 processors and exporters of oilseeds, edible peanuts and castor oil; merchants, brokers, surveyors, etc.
OBJECTIVES & ACTIVITIES: To promote production and export of oilseeds and edible peanuts; appointed by the government of India as the agency to monitor and promote export; dissemination of market information.
PUBLICATIONS: IOPEA Trade Vision, monthly (suspended for the time being), for members only.

Indian Vegetable Oil Export Association (IVOEA) ★
c/o I.O.P.E.A., 78/79 Bajaj Bhawan, 7th Floor, Nariman Point, Bombay 400014, Maharashtra, INDIA; PH: 91/22/2023225 or 2029295; TLX: 85637 (IOPE).
CONTACT: G. Chandra Shekhar, Secy.
MEMBERSHIP: 30 manufacturers of castor oil; exporters of castor oil, meal and castor derivatives.
OBJECTIVES & ACTIVITIES: Promote export of castor oil and derivatives from India.

Kurnool Oil Millers' Association, Shop 1
Agricultural Market Yard, Ballary Road, Kurnool 518003, INDIA; PH: 91/08518/20598.
CONTACT: Chandrakant Shah, Pres.
FOUNDED: 1973
MEMBERSHIP: 14 firms manufacturing groundnut, cottonseed and sunflower oil.
OBJECTIVES & ACTIVITIES: Inform members of all various government orders, taxation and labor laws and work as a liaison between government and members.

The Madras Oil and Seeds Association
16, Francis Joseph Street, P.O. Box 1639, Madras 600 001, Tamil Nadu, INDIA; PH: 583318 or 587893.
CONTACT: T. R. Thambu Reddi, Secy.
FOUNDED: 1946
MEMBERSHIP: 26 individuals; 275 firms or organizations. Twelve Managing Committee Members get elected yearly by the General Body who look after administration and other matters.
OBJECTIVES & ACTIVITIES: To do chamber work; act as a liaison with government and other agencies in solving problems of trade; analyze oilseeds, oils and oilcakes, etc.; circulate statistics and other important matters among members.
PUBLICATIONS: Daily Market Report, daily, RS. 150/yr.

Oils and Seeds Importers Association of India ★
78-79 Bajaj Bhawan, 7th Floor, Nariman Point, Bombay 400 021, Maharashtra, INDIA; PH: 91/22/202-3225 or 202-9295; TLX: 85637 (IOPE).
CONTACT: G. Chandra Shekhar, Secy.
FOUNDED: 1978
MEMBERSHIP: 150 importers and dealers in oils, oilseeds and fats; brokers, surveyors, manufacturers of oils, oilmeals, etc.
OBJECTIVES & ACTIVITIES: To coordinate and monitor imports of oils, seeds and fats into India; to assist members in their import operations; to act as a liaison with the government on matters of interest to trade.

Protein Foods and Nutrition Development Association of India (PFNDAI)
Mahalaxmi Chambers, 22 Bhulabhai Desai Road, Bombay 400 026, Maharashtra, INDIA; PH: 91/22/492-8858 or 493-8998.
CONTACT: Hattiangadi S. Gurudas, Exec. Dir.
FOUNDED: 1968
MEMBERSHIP: 40 firms or organizations and 5 individuals who are the leading manufacturers of foods, beverages and related products such as equipment; government organizations concerned with food and nutrition; R & D institutions and others interested in this field.
OBJECTIVES & ACTIVITIES: Nutrition education, surveys and consultancy to national and international organizations. Assist government in the formulation of standards and legislation. Currently deeply involved in soyfood promotion in India.
PUBLICATIONS: PFNDAI Newsletter, monthly RS. 120/yr.

The Soybean Processors Association of India (SOPA) ★
53 Malviya Nagar, A.B. Road, Indore 452 008, M.P., INDIA; PH: 91/731/21613 or 38554; TLX: 0735-308 (SOPA IN).
CONTACT: Dr. G.A. Sulabele, Chief Exec.
FOUNDED: 1979
MEMBERSHIP: 432 firms or organizations who are processors and allied traders and brokers.
OBJECTIVES & ACTIVITIES: To promote agriculture, processing and marketing of soybeans and products derived therefrom; export of soybean meal; assist exporters; monitor exports on behalf of the government of India; and to conduct R & D work with a view to advancing technology for the manufacture and utilization of soybeans, soybean products and by-products.
PUBLICATIONS: SOPA Digest, monthly, free to members.

The State Trading Corporation of India Ltd. ★
Market Information & Research Div., Jawahar Vyapar Bhawan Tolstoy Marg, New Delhi 110001, INDIA; PH: 91/11/331-3177 (ext. 2338); FAX: 91/11/332-6741; TLX: 65181, 65275 or 65055.
CONTACT: V. K. Agarwal, Chief Mkting. Mgr.
FOUNDED: 1956
OBJECTIVES & ACTIVITIES: The buying and selling of vegetable oil.

INDONESIA

PT. PP. BERDIKARI (GA)
J1.M.I. Ridwan Rais No. 7, Jakarta 10110, INDONESIA; PH: 636633 or 634455; TLX: 41311 (BERDIK IA).
CONTACT: H. Ahmad Nurhani, Vice Pres.
OBJECTIVES & ACTIVITIES: Domestic distribution of soybeans.

BULOG (National Logistic Agency) (GA)
Jalan Jenderal, Gatot Subroto Kav 49, Jakarta, INDONESIA; PH: 62/21/512209; TLX: 073-7964-4303.
CONTACT: Bustanil Arifin, Chrman.

NEED EXTRA SOYA BLUEBOOKS?
See Order Form On Page 244

ITALY

Associazione Italiana Dell'Industria Olearia (ASSITOL) ★
(Italian Oil Industry Association)
3,Via del Governo Vecchio, 00186
Rome, ITALY; PH: 06/6543251;
TLX: 610552 (ASSIOL I).
CONTACT: Giorgio Cilenti, Gen. Dir.
FOUNDED: 1972
MEMBERSHIP: Approximately 100 firms involved with olive oil, seed oil, technical oils, refined olive residue oil, margarine, vegetable proteins, semi-raw materials and improvers for the bakery and confectionery industry.
OBJECTIVES & ACTIVITIES: Represent members and their interests.
PUBLICATIONS: Bulletin, monthly, for members only.

JAMAICA

Jamaica Commodity Trading Company, Ltd. ★ (GA)
8 Ocean Blvd., P.O. Box 47,
Kingston, JAMAICA; PH:
809/922-0971-9, 2318, 28751.

JAPAN

American Soybean Association/Japan ★
Akasaka Tokyo Building, 11 Floor, 2-14-3, Nagata-cho, Chiyoda-ku, Tokyo 100, JAPAN; PH: 81/03/3593-2501; FAX: 81/3/3593-9177; TLX: 23-7402322 (SOYA-UC).
CONTACT: Lars Wiedermann, Dir.
FOUNDED: 1956
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with soybean and soybean products processing, utilization, and marketing.

Japan Margarine, Shortening and Lard Industries Association
27-8, 3-Chome, Nihonbashi, Hamacho, Chuo-ku, Tokyo 103, JAPAN; PH: 81/03/3666-6159.
CONTACT: Mitsuo Shimura, Man. Dir.
FOUNDED: 1947
MEMBERSHIP: 26 firms, manufacturers of margarine, shortening, refined lard, refined processed oils and fats, fats spreads, etc.
OBJECTIVES & ACTIVITIES: Cultivate mutual friendship and exchange information; improve production technology and ensure sanitation, distribution and promotion of safety for edible processed oils and fats; improve distribution and promote consumption of edible processed oils and fats; support research and development; compile statistics and information; and to submit a report to enquiries by government and municipal offices offering the industries opinions.

Japan Oilseed Processors Association
Yushi Kogyo Kaikan Building, 13-11, 3- Chome, Nihonbashi, Tokyo 103, JAPAN; PH: 81/03/3271-2705; FAX: 81/03/3271-2707.
CONTACT: Hiroshi Higashimori, Man. Dir.
FOUNDED: 1962
MEMBERSHIP: 30 Japanese oilseed processors.
OBJECTIVES & ACTIVITIES: To protect the interests of members and the industry.
PUBLICATIONS: Wagakuni No Yushijiyo (Report on Oil & Fats) annually, ¥2,200.00; Yushi Geppo (Report on Oil & Fats) monthly, ¥800.00.

Japan Vegetable Protein Food Association
5th Floor, Yamagata Building, 1-23-10 Toranomon, Minato-ku, Tokyo 107, JAPAN; PH: 81/03/3591-2524.
CONTACT: Kazuo Imaisumi, Man. Dir.
FOUNDED: 1975
MEMBERSHIP: 14 manufacturers of soy protein and wheat protein.
OBJECTIVES & ACTIVITIES: We are a quasi-governmental agency of MAFF (Food, Oils and Fats Division) subsidized by MAFF which conducts market research on utilization of vegetable proteins in association with MAFF; represent member companies in negotiations with MAFF on regulatory matters; conduct promotional campaigns.

Nihon Shoyu Kyokai
(The Japan Soy Sauce Brewers Association)
No. 11-3, Koami-cho, Nihonbashi, Chuo-ku, Tokyo 103, JAPAN; PH: 81/03/3666-3286.
CONTACT: Kyujiro Itoh, Man. Dir.
FOUNDED: 1948
MEMBERSHIP: 5 firms and 1 organization representing 2,700 soy sauce manufacturers.
OBJECTIVES & ACTIVITIES: Promote the international soy sauce industry.

Yuryo Yushutsunyu Kyogikai ★
The Japan Oil & Fat Importers & Exporters Association (JOFIEA)
6th Floor, Kyodo Building (Shinhoridome), 1-10-12, Nihonbashi Horidome-cho, Chuo-ku, Tokyo 103, JAPAN; PH: 81/03/3662-9821; FAX: 81/03/3667-7867.
CONTACT: Hideo Kawahara, Exec. Dir.
FOUNDED: 1951
MEMBERSHIP: 19 firms or organizations which are trading houses for oilseeds, oils & fats.
OBJECTIVES & ACTIVITIES: To coordinate import & export transactions for soybeans, oil-bearing seeds.
PUBLICATIONS: Statistics of Oilseeds, Oils & Oilcakes, annual, free of charge.

Zenkoku Margarine Seizo Kyodo Kumiai
(Japan Margarine Manufacturers Cooperative)
3-27-8, Nihonbashi Hamacho, Chuo-ku, Tokyo 103, JAPAN; PH: 81/03/3661-2561.
CONTACT: Shigeru Iwama, Exec. Dir.
FOUNDED: 1955
MEMBERSHIP: 12 manufacturers of margarine, shortening, refined lard and/or other processed edible oil products.
OBJECTIVES & ACTIVITIES: Arrange joint business transactions (purchases, sales, etc.) and financing for members; promote and protect the interests of members.

Zenkoku Tofu Aburage Shoko Kumiai Rengokai
(Japan Tofu & Fried Tofu Association)
1-16-22 Ueno, Taito-ku, Tokyo 110, JAPAN; PH: 81/03/3833-9351.
CONTACT: Tetsuya Sato, Gen. Mgr.
FOUNDED: 1939
MEMBERSHIP: 13,714 individuals (tofu manufacturers) who belong to 46 prefectual tofu associations.
OBJECTIVES & ACTIVITIES: Support the management of member tofu shops through education programs on tofu marketing, including labeling requirements; data collection of tofu industries; cooperative purchase of raw materials, cleaning and distribution of soybeans; tofu and soymilk point of sales promotions.
PUBLICATIONS: Zentoren-Dayori, monthly, free.

KENYA

National Cereals & Produce Board (GA)
P.O. Box 30586, Nairobi, KENYA; PH: 254/555288 or 555708; TLX: 22769 (MARKETER).
CONTACT: William K. A. Kikwai, Man. Dir.

— Please Check Your Listing For Accuracy —

KOREA, REPUBLIC OF (SOUTH KOREA)

Agriculture & Fishery Marketing Corp. (GA)
191, 2-ka, Hankang-Ro, Yongsan-ku, Seoul, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/795-8201; TLX: 23297 (AAFMC K).
CONTACT: Jin Kyu Kim, Vice Pres.
OBJECTIVES & ACTIVITIES: Soybean sprouts.

American Soybean Association/South Korea ★
Press Center, 8th Floor, 25, Taepyung-ro 1-ka, K.P.O. Box 1704, Seoul 100-745, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 02/738-7056; FAX: 82/2/736-5501.
CONTACT: Kyung Lee, Dir.
FOUNDED: 1920
MEMBERSHIP: 550,000 individuals.
OBJECTIVES & ACTIVITIES: To expand the U.S. soybean market in the world. To achieve this goal, ASA operates 11 overseas offices whose activities include: consumer education, trade servicing, organizing trade teams and seminars, publishing technical papers, etc.

Korea Feed Association (GA)
1581-13 Seocho-dong, Kangnam-ku, Seoul, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/581-5731; TLX: 22835 (KOFEED K).
CONTACT: Keel Chung Chi, Gen. Mgr., Bus. Dept.
OBJECTIVES & ACTIVITIES: Soybean meal.

Korean Soybean Curd Cooperative Federation (GA)
Hyo Bong Bldg., Room 201, 1306-1, Seo-Dong, Kang nam-ku, Seoul 135, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/725-6763 or 722-1720 or 725-7273.
CONTACT: Jum Rak Kim, Pres.

National Agricultural Cooperative Federation (NACF) (GA)
1-75, Chcong Geong-Ro, Joong ku, Seoul 100, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 082/02/737-0021; TLX: 27421 (NACOA K).
CONTACT: Yong Sung Hah, Dpty. Gen. Mgr.
OBJECTIVES & ACTIVITIES: Food soybeans.

National Livestock Cooperative Federation (GA)
17-9, Yoido-dong, Youngdungpo-ku, Seoul, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/783-0051; TLX: 23517 (NALICOF K).
CONTACT: Ki Kil Chun, Gen. Mgr., Feed Dept.
OBJECTIVES & ACTIVITIES: Soybean meal.

MEXICO

American Soybean Association/Mexico & Caribbean Basin ★
Rio Sena No. 26, Col Cuauhtemoc, Mexico City 06500, D.F., MEXICO; PH: 52/566-9490 or 705-1633; FAX: 52/5/705-1758; TLX: 023-740-7461 (SOYA UC).
CONTACT: Kenneth Shwedel, Dir.
FOUNDED: 1946
MEMBERSHIP: 14 individuals.
OBJECTIVES & ACTIVITIES: We represent U.S. soybean farmers providing soybean users with: technical information and assistance in processing and refining soybeans and products, marketing and promotion programs for soybeans and products, as well as nutrition information and assistance in formulating livestock feeds and human diets.
PUBLICATIONS: Soyanoticias, quarterly, no charge.

Asociacion Mexicana de Especialistas en Nutricion Animal, A.C. ★ (Mexican Association of Animal Nutrition Scientists)
Rio Coatzacoalcos #1, Cuernavaca 62290, Morelos, MEXICO; PH: 52/73/154738; FAX: 52/73/151098.
CONTACT: Francisco J. Tirado, Nutr. Mgr.
FOUNDED: 1972
MEMBERSHIP: 400 individuals; 70 firms or organizations, agronomists, veterinarians, chemists at the Bachelor, Master and Ph.D. degree level of the sciences.
OBJECTIVES & ACTIVITIES: Increase people's and technicians' knowledge of animal requirements, husbandry, chemical analyses of raw material through modern techniques. Organizing symposiums, seminars and national and international congresses yearly in order to improve technicians' knowledge.
PUBLICATIONS: 4th National Congress, 1989, annual, no cost.

Asociacion Nacional de Especialistas en Ciencias Avicolas. Mexico (ANECA) (Mexican Association of Avian Pathologisis)
Hacienda de Canutillo No. 8-4, Col. Villa Quietud, P.O.B. 22-814, Mexico 04960, D.F., MEXICO; PH: 5/6711354.
CONTACT: Ernesto S. Priante, Library Coordinator
FOUNDED: 1970
MEMBERSHIP: 500 individuals, 5 organizations working in the poultry industry.
OBJECTIVES & ACTIVITIES: Promote the education of students and Veterinarians working in the poultry industry to improve the educational grade.

Asociacion Nacional de Industriales de Aceites y Mantecas ★★ (National Association of Oil Industries & Edible Fats)
Comestibles, A.C., Praga N° 39-3° Piso Col. Juarez, Deleg. Cuauhtemoc, Mexico City 06600, D.F., MEXICO; PH: 52/5/533-2847; FAX: 52/5/525-5124.
CONTACT: Jose L. Luna, Operations Mgr.
FOUNDED: 1958
MEMBERSHIP: 36 individuals and 6 crushing and refining industries, for fats and oils (vegetable oil and foodstuff).
OBJECTIVES & ACTIVITIES: Foreign trade assessors; representatives for the industry with the govenment and official entities; provide information and general services for the industry on the domestic and internatioal marketplaces.
PUBLICATIONS: Magazine Aniame, every 3 mos., free of charge.

MOROCCO

Service de Industries Alimentaires Direction de l'Industrie (GA)
Minister du Commerce et de l'Industrie, Rabat, MOROCCO; PH: 64502; TLX: 31872.
CONTACT: Dir. Gen.

NETHERLANDS

Vereniging van Nederlandse Fabrikanten van Eetbare Olien en Vetten (VERNOF) ★ (Dutch Seed Crushers and Oil Processors Association)
Ampérelaan 4 E, P.O. Box 3158, Rijswijk 2280 GD, NETHERLANDS; PH: 31/70/390-5263 or 395-4083; FAX: 31/70/319-1329.
CONTACT: C. J. M. Meershoeck, Exec. Dir.
FOUNDED: 1912
MEMBERSHIP: 11 firms; seed crusher and oil processing companies.
OBJECTIVES & ACTIVITIES: Represent and defend the economic interests of member companies as well as those of the national and international industry.

NICARAGUA

Empresa Nicaraguenese de Alimentos Basicos (ENABAS) (GA)
Frsnte Cerveceria, Victoria, Antiguo Ince, Managua, NICARAGUA.
CONTACT: Urias Ugalde, Mgr.

NIGERIA

Ministry of Agriculture & Natural Resources (GA)
P.M.B. 2038, Makurdi, Benue State, NIGERIA.
CONTACT: Chief Agricultural Officer

State Department of Agriculture (GA)
17/27 Moloney Street, P.M.B. 2613, Lagos, NIGERIA; PH: 632601 or 632231; CABLE: FEDAG Lagos.
CONTACT: C. C. Anojulu, Dir.

PAKISTAN

Pakistan Poultry Association ★
Block 7 & 8, Tip Sultan Road, Karachi 75350, PAKISTAN; PH: 92/438931; TLX: 25736 (KAYS PK) (Attn: PPA).
CONTACT: Moxafer Islam, Central Secy.
FOUNDED: 1979
MEMBERSHIP: 3500 firms or organizations; 10,000 poultry farmers; 150 hatcheries; 120 feed mills; and allied members of equipment dealers, pharmaceuticals, supplies, egg & chicken dealers, etc.
OBJECTIVES & ACTIVITIES: To provide facilities for and foster, encourage, secure and maintain a good and close relationship and unanimity among members and the trade in general and to promote and protect their business interests. Also, to do all that is necessary for the furtherance and development of poultry farming in Pakistan.
PUBLICATIONS: Pakistan Poultry, monthly, US $60.

PANAMA

Institute de Mercadeo Agropecuario (IMA) (GA)
Apartado 5638, Panama City 2, PANAMA; PH: 507/61-1602.
CONTACT: Jose Barrios

PERU

Empresa Nacional de Comercialización de Insumos (ENCI) (GA)
EXCLUSIVE TRADING AGENCY
Camino Real 111, 5º Piso - San Isidro, Casilla 1834, Lima 27, PERU; PH: 51/14/409359; FAX: 51/14/409359; TLX: 21529/30/31/32/33 (PE-ENCIPERU).
CONTACT: Maria C. Rodriguez Pastor, Imports Mgr.
FOUNDED: 1973
OBJECTIVES & ACTIVITIES: To import and commercialize foodstuffs and fertilizers in the national market.

PHILIPPINES

National Food Authority (GA)
Matimyas Bldg., 101 E. Rodriguez Avenue, Quezon City, PHILIPPINES; PH: 63/2/712-1575; TLX: 075-742-42007 (NGA PM).
CONTACT: Roberto H. Goce, Dir., Int'l. Mkting.
OBJECTIVES & ACTIVITIES: Importer of soybeans and soybean meal for emergency needs. Soybeans, meal, soybean oil and other soybean products are also purchased by the private sector.

Philippine Association of Feedmillers, Inc. ★
Maligaya Building III, E. Rodriguez Sr. Blvd., Cubao, Room 302, Quezon City 1111, PHILIPPINES; PH: 721-0906 or 722-2912.
CONTACT: Rogelio M. Sarmiento, Pres.
FOUNDED: 1951
MEMBERSHIP: 11 firms; manufacturers of animal feeds.
OBJECTIVES & ACTIVITIES: Work together for members' common good; cooperate with government in enhancing economic progress and developing the country's livestock industry.

POLAND

ROLIMPEX ★ (GA)
ul. Chalubinskiego 8, P.O. Box 364, PL-00813 Warsaw, POLAND; PH: 48/22/300-633; TLX: 814341 (RLX PL).
CONTACT: Andrzej Cieslakiewicz, Dir.

PORTUGAL

Associaçao Portuguesa dos Industriais de Alimentos Compostos para Animais (I.A.C.A.) (Portuguese Association of Feed Manufacturers)
Av. 5 de Outubro, 21-2º Esq., P-1000 Lisbon, PORTUGAL; PH: 351/1-535091; TLX: 42510 (IACA P); FAX: 351/1-2480217.
CONTACT: Luis Marques, Gen. Secy.
FOUNDED: 1975
MEMBERSHIP: 2 individuals and 88 firms; certified feed manufacturers.
OBJECTIVES & ACTIVITIES: Promote feed production; survey markets; provide studies and information on raw materials, animal feed legislation, general economic questions.
PUBLICATIONS: Informacao 1, twice each month; Informacao 2, irregularly.

ROMANIA

PRODEXPORT ★ (GA)
Piatza Walter Maracineanu 1-3, Bucharest, ROMANIA; PH: 40/0/161-660; TLX: 11527 (PROD R).
CONTACT: Aurel Antoniu, Gen. Mgr.
OBJECTIVES & ACTIVITIES: Soybeans, soybean meal and soybean pellets.

SAUDI ARABIA

Grain Silos & Flour Mills Organization (GA)
P.O. Box 3402, Riyadh 11471, SAUDI ARABIA; PH: 464-3500; TLX:402560 (SAWAMI).
CONTACT: Hamad Toaimi, Foreign Purchasing Mgr.

SINGAPORE

American Soybean Association/Southeast Asia & Subcontinent ★

541 Orchard Road, #11-03, Liat Towers, Singapore 0923, SINGAPORE; PH: 65/737-6233 or 737-6095 or 737-6561; FAX: 65/737-5849; TLX: (023) 7407820 (BEAN UC).
CONTACT: James W. Echle, Reg. Dir.
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

SOUTH AFRICA

Oilseeds Board (GA)

P.O. Box 211, Pretoria 0001, SOUTH AFRICA; PH: 325-5000; TLX: 5320894 or 5321346.
CONTACT: Gen. Mgr.

SPAIN

American Soybean Association/MidEast, Iberia & Africa ★

Juan Alvarez Mendizabal #3, 3, Madrid 28008, SPAIN; PH: 34/1/542-2900; TLX: 46008 (SOYA E); FAX: 34/1/542-6123.
CONTACT: Arno Partner, Regional Dir.
FOUNDED: 1920 (main office)
MEMBERSHIP: 422,000 soybean farmers.
OBJECTIVES & ACTIVITIES: To promote markets, uses and policies that allow U.S. soybean farmers to produce and sell soybeans competitively and profitably; to continue increases in demand for U.S. soybeans through free and open access into worldwide markets; to assure adequate support for soybean utilization and production research.
PUBLICATIONS: Animal Nutrition Highlights (French, Spanish), bi-monthly, free; Human Nutrition Highlights (French, Spanish), bi-monthly, free; Animal Nutrition Research Highlights, bi-monthly, free.

Asociacion Española de Exportadores de Aceite de Soja (Spanish Soybean Oil Exporters Association)

Calle Diego de Leon, 34, 3º A, Madrid 28006, SPAIN; PH: 34/1/262-1431; TLX: 44092 (SOYE E); FAX: 262-1431.
CONTACT: Georges Laffaille, Gen. Mgr.
FOUNDED: 1981
MEMBERSHIP: 6 major Spanish soybean crushing plants.
OBJECTIVES & ACTIVITIES: To channel the soybean oil (crude & refined) exports of the Association's members; to provide them with all pertinent information necessary to their activity; to maintain contacts with Spanish official entities and important international bodies related to soybean oil exports.

Asociacion Española de Fabricantes de Margarina (Spanish Association of Margarine Manufacturers)

Apartado 791, 48080 Bilbao, SPAIN; PH: 34/4/463-4400; TLX: 32737 (AGRASA).
CONTACT: F. Javier Herrero-Velarde, Pres.
FOUNDED: 1978
MEMBERSHIP: 350 individuals, 15 firms.
OBJECTIVES & ACTIVITIES: Defend the interests of Spanish feed manufacturers.

Confederacion Espanola de Fabricañes de Alimentos Compuestos Para Animales (CESFAC) (Spanish Association of Feed Manufacturers)

Gran Via, 68-1º, 28013 Madrid, SPAIN; PH:34/ 1/542-0505; FAX:34/ 1/2480217; TLX: 27270 (GRUPI-E).
CONTACT: Manuel G. Mendez, Dir.
FOUNDED: 1987
MEMBERSHIP: 35 individuals, 15 firms or organizations.
OBJECTIVES & ACTIVITIES: Defend the interests of Spanish feed manufacturers.

SWEDEN

Föreningen Svenska Margarintillverkare ★ (Association of Swedish Margarine Manufacturers)

Box 5501, Stockholm S-11485, SWEDEN; PH: 08/783-8000; TLX: 19990 (SWEDIND S).
CONTACT: Göran Holmqvist, Dir. General
FOUNDED: 1982
MEMBERSHIP: 3 firms; margarine manufacturers.

Nordiskt Forum for Lipid Forskning och Teknologi (LIPIDFORUM) (Scandanavian Forum for Lipid Research and Technology)

c/o SIK - The Swedish Food Institute, Box 5401, S-40229 Goteborg, SWEDEN; PH: 46/31/400120; TLX: 21651 (SIK S).
CONTACT: Reinhard Marcuse, Secy. Gen.
FOUNDED: 1969
MEMBERSHIP: Approximately 500 individuals and 100 firms; individuals, scientific institutions and industrial companies.
OBJECTIVES & ACTIVITIES: Arrange meetings: (1) "Scandinavian Symposia on Lipids", each second year with broad spectrum programs alternating in the five Nordic countries, (2) specialized symposia on specific items.
PUBLICATIONS: Newsletters, 2 times/yr, free to members; Proceedings, for purchase by members and non-members; list available.

SYRIA

Foreign Trade Organization for Chemicals & Foodstuffs (GEZA) (GA)

P.O. Box 893, Damascus, SYRIA; PH: 228521 or 225421; TLX: 411009 or 411370 (GEZA SY).
CONTACT: Ilfat Hamsn, Dir., Veg/ Oil Dept.

General Organization for Fodder (GA)

P.O. Box 4797, Damascus, SYRIA; PH: 221893 or 221689; TLX: 411089 or 411124 (ALAF SY).
CONTACT: Omar Khalani, Dir. Gen.
OBJECTIVES & ACTIVITIES: Importer of soybean meal.

TAIWAN

American Soybean Association/Taiwan ★

Kwang-Wu Building, Room 603, 386 Tun Hua South Road, Taipei 10099, TAIWAN; PH: 781-2110 or 781-5880; TLX: 785-19422 (USBEANS).
CONTACT: Steve Chen, Dir.
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

The Asian Vegetable Research and Development Center (AVRDC) ★

P.O. Box 42, Shanhua, Tainan 74199, TAIWAN; PH: 06/583-7801; TLX: 73560 (AVRDC); FAX: 06/583-0009.
FOUNDED: 1972
MEMBERSHIP: Worldwide.
PUBLICATIONS: Annual Progress Report, annual, $20 U.S.; Centerpoint, annual. Also, technical bulletins, directories, germplasm catalog, proceedings of workships, conferences, symposiz, guidesheets, slide sets and videos.

Taiwan Feed Industries Association

368 Fu-Shing South Road, Section 1, 9th Floor, Taipei 10640, TAIWAN; PH: 886/2/702-8070.
CONTACT: K. C. Lin, Chrman.
FOUNDED: 1966
MEMBERSHIP: 113 feed mills and feed traders; manufacturers of mixed feeds.
OBJECTIVES & ACTIVITIES: Act as a liaison between government and members on procurement and production; coordinate and provide technical and market information.

Taiwan Soy Sauce Industry Association

24 Pei-Ping East Road, 4th Floor - 3, Taipei, TAIWAN; PH: 886/2/341-0739 or 351-7726.
CONTACT: M. C. Chang, Secy. Gen.
FOUNDED: 1972
MEMBERSHIP: Manufacturers of soy sauce, miso and condiments.
OBJECTIVES & ACTIVITIES: Act as a liaison between government and members on procurement and production; coordinate and provide technical and market information.

Taiwan Tofu Association

9, Lane 133, Tai-Yuan Road, Taipei 102, TAIWAN; PH: 886/2/541-4494.
CONTACT: Y. P. Yang, Secy. Gen.
FOUNDED: 1954
MEMBERSHIP: Manufacturers of tofu, spiced dried tofu and tofu skin or involved in soyfood production and marketing.
OBJECTIVES & ACTIVITIES: Act as liaison between government and members on procurement and production; coordinate and provide technical and market information to members.

Taiwan Vegetable Oil Manufacturers Association

Chang-An East Road, 6th Floor, Pai-Fu Building 27, Section 1, Taipei 104, TAIWAN; PH: 886/2/561-6351.
CONTACT: Daniel Yang, Secy. Gen.
FOUNDED: 1952
MEMBERSHIP: Manufacturers of soybean oil, soybean meal, peanut oil and salad oil or those involved with vegetable oil refining.
OBJECTIVES & ACTIVITIES: Act as liaison between government and members on procurement and production; coordinate and provide technical and market information.

TUNISIA

Banque National de Developpement (GA)

Agricole, 3, Rue Jugurtha, Tunis 1002, TUNISIA.
CONTACT: Ferid Mokhtar, Pres.

Institut National de Nutrition & Technologie Alimentaire (GA)

Rue Aristide Briand, 1006 Bab Saadoun, Tunis, TUNISIA; PH: 216/1/663770.
CONTACT: Zouheir Kallel, Dir.

Ministry of Agriculture (GA)

30, Rue Alain Savary, Tunis 1002, TUNISIA.
CONTACT: Habib Najjar, Pres.

Union Tunisienne Industrie du Commerce et de l'Artisanat (UTICA) ★ (GA)

103, Avenue de la Liberte, Tunis 1002, TUNISIA; PH: 216/1253434 or 253724; TLX: 13982.
CONTACT: Adbelkader Chaouch, Pres.

UNITED SOVIET SOCIALIST REPUBLIC (U.S.S.R.)

PRODSYRIO Division of V/O EXPORTKHLEB ★ (GA)

Smolenskaja-Sennaja, 32/34, G-200 Moscow, U.S.S.R.; PH: 244-47-01; TLX. 411145 (EHLB SU).
CONTACT: Yurij R. Vartikov, Dept. Head
OBJECTIVES & ACTIVITIES: Sole importer of oilseeds and meal.

UNITED STATES OF AMERICA (U.S.A.)

The American Association of Cereal Chemists (AACC) ★

3340 Pilot Knob Road, St. Paul, MN, 55121 U.S.A.; PH: 612/454-7250; FAX: 612/454-0766; TLX: (MCI/WUI) 6502439657.
CONTACT: Raymond J. Tarleton, Exec. Vice Pres.
FOUNDED: 1915
MEMBERSHIP: 3,466 individuals, 250 firms or organizations: cereal science professionals throughout the U.S. and 90 other countries. Among its members are government and academic scientists as well as technically trained persons working within the cereal processing industries.
OBJECTIVES & ACTIVITIES: Members share the common desire to improve themselves through broadening their understanding of cereal science, stimulating their professional contacts and increasing their potential for advancement. The unique professional services, publications, meetings and activities provided by the AACC help members to achieve their goals.
PUBLICATIONS: Cereal Foods World, monthly, $60/yr U.S., $85/yr elsewhere; Cereal Chemistry, bi-monthly, $120/yr U.S., $135/yr elsewhere. Extensive food science book publishing program.

American Farm Bureau Federation ★

225 Touhy Avenue, Park Ridge, IL, 60068 U.S.A.; PH: 312/399-5748; FAX: 312/399-5896.
CONTACT: David Miller, Dir., Wheat, Feed Grains & Soybeans Dept.
FOUNDED: 1919
MEMBERSHIP: 3.7 million farmers and ranchers in U.S.
OBJECTIVES & ACTIVITIES: Independent, non-governmental, voluntary organization of farm and ranch families united for the purpose of analyzing their problems, formulating action to achieve educational improvement, economic opportunity, social advancement and thereby, promote the national well-being.
PUBLICATIONS: Farm Bureau News, weekly

American Feed Industry Association, Inc. ★

1501 Wilson Blvd., 18th Floor, Arlington, VA, 22209 U.S.A.; PH: 703/524-0810; FAX: 703/524-1921.
CONTACT: Barbara Estridge, Corp. Secy.
FOUNDED: 1909
MEMBERSHIP: 600 firms or individuals who manufacture and/or market animal feed, sell products incorporated into animal feed, sell equipment or supplies and services used in the manufacture and distribution of animal feed.
PUBLICATIONS: Several hundred.

American Institute of Food Distribution ★★

28-12 Broadway, Fair Lawn, NJ, 07410 U.S.A.; PH: 201/791-5570; FAX: 201/791-5222.
CONTACT: John Rengstorff, Vice Pres.
FOUNDED: 1928
MEMBERSHIP: 6,000 individuals and 2,600 firms or organizations; growers, food processors, brokers, wholesalers, retailers, importers/exporters, food service distributors, operators.
OBJECTIVES & ACTIVITIES: We are a non-profit information and reporting association whose basic function is to help members keep posted on pricing, supply and distribution developments.
PUBLICATIONS: The Food Institute Report, weekly, $450.

American Oil Chemists' Society (AOCS) ★

1608 Broadmoor Drive, P.O. Box 3489, Champaign, IL, 61821 U.S.A.; PH: 217/359-2344; FAX: 217/351-8091; TLX: 4938651 (AOCS UI).
CONTACT: James C. Lyon, Exec. Dir.
FOUNDED: 1909
MEMBERSHIP: 4,000 individuals, 2,000 firms or organizations; AOCS is the professional home for more than 4,000 members in 80 nations working in edible fats and oils, lipids, soaps, surfectants and detergents, oleochemicals, proteins, nutrition, plant lipids, and related disciplines.
OBJECTIVES & ACTIVITIES: To be a forum for the exchange of ideas, information, and experience among those with a professional interest in the science and technology of fats, oils, and related substances in ways that promote personal excellence and provide for high standards of quality.
PUBLICATIONS: Journal of the American Oil Chemists' Society (subscriber also receives INFORM), monthly, $160/yr. (lib. and instit.); LIPIDS, monthly, $180/yr. (lib. and instit.); INFORM (membership pub.), monthly, $105/yr. (lib. and instit.).

See Our Advertisement P. 12 & 260

The American Phytopathological Society (APS) ★

3340 Pilot Knob Road, St. Paul, MN, 55121 U.S.A.; PH: 612/454-7250; FAX: 612/454-0766; TLX: (MCI/WUI) 6502439657.
CONTACT: Raymond J. Tarleton, Exec. Vice Pres.
FOUNDED: 1908
MEMBERSHIP: 4,635 individuals and 62 firms or organizations representing a broad cross-section of the scientific community including research scientists, teachers, extension specialists, students, sales representatives, administrators, technicians, agricultural field representatives, and pest management personnel.
OBJECTIVES & ACTIVITIES: The common goal of this diversified group is to promote knowledge of plant science through publications, meetings, symposia, workshops and special activities.
PUBLICATIONS: Phytopathology, monthly, $185/yr (U.S. individuals), $220/yr (individuals elsewhere); Plant Disease, monthly, $65/yr (U.S. individuals), $95/yr (individuals elsewhere); Molecular Plant-Microbe Interactions, bi-monthly, $65/yr (U.S. individuals), $80/yr (individuals elsewhere). Extensive plant science book publishing program.

American Soybean Association (ASA) ★

540 Maryville Centre Drive, Suite 400, P.O. Box 27300, St. Louis, MO, 63141 U.S.A.; PH: 314/576-1770; FAX: 314/576-2786.
CONTACT: Dr. Kenneth L. Bader, CEO
FOUNDED: 1920
MEMBERSHIP: Active members: 32,000 U.S. soybean farmers.
OBJECTIVES & ACTIVITIES: Promoting soybeans and soybean products; conducting research to find new or improved uses for soybeans; conducting research to increase production efficiency; and formulating policies—domestic and trade—to enhance use of soybeans.
PUBLICATIONS: SOYBEAN DIGEST magazine, 12 times/yr., $20 U.S., $25 Canada, $276 (membership in ASA) elsewhere; SOYBEAN UPDATE newsletter, 40 times/yr., ASA members only.

See Our Advertisement P. 10

Arkansas Soybean Association ★★

1501 N. Pierce, Suite 110, Little Rock, AR, 72207-5222 U.S.A.; PH: 501/666-1418; FAX: 501/666-2510.
CONTACT: D. Trent Roberts, Exec. Dir.
FOUNDED: 1964
MEMBERSHIP: 1200 soybean growers, seed processors and brokers.
OBJECTIVES & ACTIVITIES: To promote the Arkansas soybean industry.
PUBLICATIONS: Soytalk, monthly, $40/yr. with membership.

Association of American Feed Control Officials (AAFCO)

P.O. Box 3160, College Station, TX, 77841-3160 U.S.A.; PH: 409/845-1121; FAX: 409/845-1389.
CONTACT: Barbara J. Sims, Secy.
FOUNDED: 1909
MEMBERSHIP: 56 state and federal organizations involved with commercial feeds and feed ingredients.
OBJECTIVES & ACTIVITIES: Establish uniform regulations, definitions and standards of feed ingredients.
PUBLICATIONS: AAFCO Official Publication, annual, $20/yr.

CARE

660 1st Avenue, New York, NY, 10016 U.S.A.; PH: 212/779-7803; FAX: 212/683-1099.
CONTACT: Phillip Johnston, Exec. Dir.
OBJECTIVES & ACTIVITIES: Our purpose is to help the developing world's poor in their efforts to achieve social and economic well-being. CARE supports processes that create competence and become self-sustaining over time. Our task is to reach new standards of excellence in offering technical assistance, training, food, other materials resources and management in combinations appropriate to local needs and priorities. CARE also advocates public policies and programs that support these ends.

IDENTITY PRESERVED GRAIN LABORATORY

Tests For Soybeans and Corn

- protein and oil
- starch tests
- hard endosperm-corn
- trypsin test (Kunitz)
- sampling and field inspection
- computerized directory of quality grain

For more information contact:

Illinois Crop Improvement Association
3105 Research Road
P.O. Box 9013
Champaign, IL 61826-9013
(217) 359-4053 Fax (217) 359-4075

Commercial Soybean Breeders ★

c/o AgriPro, Route 2, Highway 30, East, Ames, IA, 50010 U.S.A.; PH: 515/232-0707; FAX: 515/232-8169.
CONTACT: Keith Bilyeu, Secy.
FOUNDED: 1976
MEMBERSHIP: 97 individuals; 38 firms or organizations who personally direct projects or programs for improving soybean cultivating through breeding and/or genetics.
OBJECTIVES & ACTIVITIES: Encourage and promote a professional image and attitude among commercial soybean breeders; foster a better working relationship among private and public soybean breeders; provide more effective utilization of existing germplasm in all soybean breeding programs; represent the collective interests of members in governmental or industrial policy matters; communicate current research findings; promote soybeans as a more profitable crop; improve the efficiency of production and utilization of soybean protein and oil.

Government of Ontario, Canada ★ (GA)

221 N. LaSalle Street, Suite 2700, Chicago, IL, 60611 U.S.A.; PH: 312/782-8688; FAX: 312/782-5381.
CONTACT: Thomas Brush, Trade Dev. Consultant
FOUNDED: 1889

Grain Elevator and Processing Society ★

301 4th Avenue, So., Suite 365, P.O. Box 15026, Minneapolis, MN, 55415-0026 U.S.A.; PH: 612/339-4625; FAX: 612/339-4644.
FOUNDED: 1930
MEMBERSHIP: 3000 individuals; dedicated to safety and efficiency in grain operations.
OBJECTIVES & ACTIVITIES: To serve members by enhancing individual professionalism and fellowship and promoting safe, efficient operations within the grain and processing industries.
PUBLICATIONS: In-Grain, monthly, members free, others $18/yr; Directa Source (membership dir.) annual, members free, others $50.

Illinois Crop Improvement Association ★

3105 Research Road, P.O. Box 9013, Champaign, IL, 61826-9013 U.S.A.; PH: 217/359-4053; FAX: 217/359-4075.
CONTACT: James R. Shearl, Mgr.
FOUNDED: 1924
MEMBERSHIP: 225 firms or organizations; primarily seed companies in the state of Illinois.
OBJECTIVES & ACTIVITIES: To promote seed certification through field inspection; seed quality laboratory testing; record keeping and tag issuance; grain quality testing and winter farm facilities.
PUBLICATIONS: Growers Directory, annual (July publication), no cost; Growers Directory, annual (December publication), no cost.

See Our Advertisement P. 24

Indiana Crop Improvement Association ★★

3510 U.S. Highway 52, So., Lafayette, IN, 47905 U.S.A.; PH: 317/474-3494; FAX: 317/474-8959.
CONTACT: Larry Svajgr, Exec. Dir.
FOUNDED: 1900
MEMBERSHIP: 380 seed companies in Indiana and throughout the country.
OBJECTIVES & ACTIVITIES: The promotion of varietally pure seed products or identity preserved grain products through use of field inspection services, pedigree record keeping systems, and varietaly identification laboratory techniques.
PUBLICATIONS: Growers Directory (Spring Seeded Crops), annueal (June), free of charge; Growers Directory (Fall Seeded Crops), annual (August), free of charge.

See Our Advertisement P. 136

INTERNATIONAL SOYBEAN PROGRAM

INTSOY

College of Agriculture
University of Illinois at Urbana-Champaign

INTSOY
University of Illinois
1301 W. Gregory Dr., 113 Mumford Hall
Urbana, IL 61801
Tel. (217) 333-6422 Fax (217) 333-5838

A Global Network of Soybean Scientists

Mission:

- Expand the use of soybeans to improve human nutrition

Activities focus on:

- Small- and intermediate-scale soybean processing technology
- Developing and improving soybean food products
- Nutrition and health aspects of soybeans

Services:

- Research and development
- Technology transfer
- Training
- Information resource base

Institute of Food Technologists ★

221 N. LaSalle Street, Suite 300, Chicago, IL, 60601 U.S.A.; PH: 312/782-8424; FAX: 312/782-8348.
CONTACT: Howard W. Mattson, Exec. Dir.
FOUNDED: 1939
MEMBERSHIP: 25,000 individuals; members are active in academic, industrial and governmental institutions and are concerned with food science, which attempts to understand the scientific basis underlying the efficient provision of a nutritious, safe and acceptable diet. Other work in food technology, which applies this basic knowledge to the practical development of food sources, products and processes.
OBJECTIVES & ACTIVITIES: The Institute of Food Technologists is a professional scientific society whose purpose is to implement the professional and scientific interests of its members.
PUBLICATIONS: Food Technology, monthly, incl. w/membership, non-members $72 domestic; Journal of Food Science, bi-monthly, members $28 a year, non-members $82 domestic, all others $92.

Institute of Shortening and Edible Oils ★

1750 New York Avenue, N.W., Washington, DC, 20006 U.S.A.; PH: 202/783-7960; FAX: 202/393-1367.
CONTACT: Robert M. Reeves, Pres.
FOUNDED: 1934
MEMBERSHIP: 24 trade association refiners of edible fats and oils.
OBJECTIVES & ACTIVITIES: Improve welfare of edible fats & oils industry. Activities include public education programs, sponsorship of research, coordination of policy with trade associations and government.
PUBLICATIONS: Food Fats and Oils, every 4-5 years, free; Directory of Edible Oil Industry in U.S., every 5 years, $10.

International Soybean Program (INTSOY) ★

University of Illinois, INTSOY, 113 Mumford Hall, 1301 W. Gregory Drive, Urbana, IL, 61801 U.S.A.; PH: 217/333-6422; FAX: 217/333-5838; TWX: 910/250-7619 (INTSOY).
CONTACT: Harold E. Kauffman, Dir.
FOUNDED: 1973
MEMBERSHIP: 100 individuals and 100 firms or organizations forming a loose network of research scientists in approximately 40 developing countries and approximately 10 developed countries who share the common interest of expanding the use of soy products to improve nutrition and economic development.
OBJECTIVES & ACTIVITIES: The focus of the research and development activities is on the processing and utilization of whole soybeans for human food and animal feed.
PUBLICATIONS: INTSOY Publications Series, annual, no cost; INTSOY Newsletter, quarterly, no cost; misc. brochures/publications, periodic, no cost..

See Our Advertisement P. 25

Iowa Soya

162 West Hwy. 58, Hudson, IA, 50643 U.S.A.; PH: 319/988-4187; FAX: 319/988-3922.
CONTACT: Dennis Strayer, Pres.
FOUNDED: 1987
MEMBERSHIP: 13 individuals; 13 firms or organizations; specialty soybean producers in Iowa.
OBJECTIVES & ACTIVITIES: Our members produce exclusive varieties of specialty soybeans for human foods.

Iowa Soybean Association ★

1025 Ashworth Road, Suite 310, W. Des Moines, IA, 50265-3542 U.S.A.; PH: 515/223-1423; FAX: 515/223-4331.
CONTACT: Allen Johnson, Exec. Dir.
FOUNDED: 1964
MEMBERSHIP: 7,300 farmers, elevator personnel, non-grower support members, chemical representatives, commodity groups and various agriculture youth groups.
OBJECTIVES & ACTIVITIES: Promote a profitable soybean industry and inform Iowa soybean producers of current production and marketing information. To lobby for favorable government policies which benefit soybean producers.
PUBLICATIONS: Iowa Soybean Review, 10 issues, $40/year.

Iowa Soybean Promotion Board ★

1025 Ashworth Road, Suite 310, W. Des Moines, IA, 50265 U.S.A.; PH: 515/223-1423; FAX: 515/223-4331.
CONTACT: Allen Johnson, Dir.
MEMBERSHIP: 15,000 individuals; growers and business related.
OBJECTIVES & ACTIVITIES: A voice in soybean marketing legislation, market development and research.
PUBLICATIONS: Iowa Soybean Review, monthly, upon request.

Mid-Atlantic & Virginia Soybean Associations ★★

104-A N. Division Street, P.O. Box 319, Salisbury, MD, 21801 U.S.A.; PH: 301/742-9500; FAX: 301/548-5824.
CONTACT: H. Jerry Kennedy, Exec. Dir.
FOUNDED: 1970
MEMBERSHIP: 850 soybean growers, agribusiness persons and individuals interested in the soybean industry.
OBJECTIVES & ACTIVITIES: To promote soybean profitability; overseas and domestic market development; establish new markets; research both in-state and nationally.

Minnesota Soybean Growers Association ★

360 Pierce Avenue, Suite 110, P.O. Box 2026, N. Mankato, MN, 56003 U.S.A.; PH: 507/388-1635; FAX: 507/388-6751.
CONTACT: Bonnie McCarvel, Exec. Dir.
FOUNDED: 1962
MEMBERSHIP: 3,700 individual elevator personnel, farmers, non-grower support members, agri-business representatives, and commodity groups.
OBJECTIVES & ACTIVITIES: To promote a profitable soybean industry and inform Minnesota soybean farmers of current production and marketing information. To lobby for favorable government policies which benefit soybean farmers.
PUBLICATIONS: MinnSoy Voice, monthly, $40/yr.

Missouri Soybean Merchandising Council

915 Southwest Blvd., Suite F, P.O. Box 104778, Jefferson City, MO, 65110-4778 U.S.A.; PH: 314/635-6701; FAX: 314/635-5122.
CONTACT: Kenlon Johannes, Exec. Dir.
FOUNDED: 1979
MEMBERSHIP: 27,000 farmers who contribute funds to the programs thru collections at the sale of their soybeans.
OBJECTIVES & ACTIVITIES: Provide information and resources needed to develop markets and soybean product manufacturing plants in the state of Missouri.
PUBLICATIONS: Missouri Soybean Farmer. Quarterly, Free to Producers.

National Agricultural Library (GA)

NAL Building, Rm. 204, 10301 Baltimore Blvd., Beltsville, MD, 20705 U.S.A.; PH: 301/344-3755; TWX/TLX: 710/828-0506; FAX: 301/344-5472.
CONTACT: Joseph Howard, Dir.
FOUNDED: 1862
MEMBERSHIP: The NAL serves the U.S. Department of Agriculture, Congressional, White House and other Federal staff, state and local agencies, including extension services, land-grant and other universities, libraries and individuals. Clientele include scientists, administrators, nutritionists, teachers, extension workers, farmers and the general public.
OBJECTIVES & ACTIVITIES: The National Agricultural Library (NAL) serves the USDA and the nation as an information provider for agriculture. NAL provides information services over a broad range of agricultural interests. NAL assists its users through a variety of specialized information centers. Its staff utilizes advanced information technologies to generate new information products, creating an electronic library as it improves access to the knowledge stored in its multi-media collection of almost 2 million items.
PUBLICATIONS: Agricultural Libraries Information Notes, monthly, no cost; various specialized directories, irregular, req. individually, no cost.

National Association of Margarine Manufacturers (NAMM) ★

1101 15th St., N.W., Suite 202, Washington, DC, 20005 U.S.A.; PH: 202/785-3232; FAX: 202/223-9741.

CONTACT: Charles E. Ehrhart, Exec. Dir.
MEMBERSHIP: 12 manufacturers of margarine in the United States.
OBJECTIVES & ACTIVITIES: Legislative and regulatory interest to develop, coordinate and supply the public with accurate information about margarine and margarine products.
PUBLICATIONS: The Advocate, quarterly, free to members.

National Grain Trade Council

1030 15th Street, N.W., Suite 1020, Washington, DC, 20005 U.S.A.; PH: 202/842-0400;
CONTACT: Robert R. Petersen, Pres.
FOUNDED: 1936
MEMBERSHIP: 60 firms or organizations; regular members include grain exchanges, boards of trade and national grain marketing associations. Associate members represent a large cross-section of the grain marketing industry.
OBJECTIVES & ACTIVITIES: The Council's objectives and purposes are 1) to promote a better understanding among the grain trade, government agencies and the general public, 2) to advocate and defend, consistent with public interest, the principles and merits of open and competitive markets for the distribution of agricultural commodities.
PUBLICATIONS: Activity Report, monthly (no cost with membership).

National Oilseed Processors Association (NOPA) ★ (Formerly National Soybean Processors Association)

1255 23rd Street, N. W., Suite 850, Washington, DC, 20037 U.S.A.; PH: 202/452-8040; FAX: 202/835-0400; TLX: 248959 (NOPA UR).
CONTACT: Sheldon J. Hauck, Pres.
FOUNDED: 1929
MEMBERSHIP: 14 regular members, 22 associate members: processors of oilseeds and consumers of vegetable oils and meals.
OBJECTIVES & ACTIVITIES: To promote the domestic and international marketing of all types of oilseed products through development of equitable trading rules for buyers and sellers of such products; to foster intense research activity aimed at improving/increasing yields and productivity of oilseed crops; to promote the sale of oilseed products internationally.
PUBLICATIONS: NOPA Yearbook & Trading Rules, annually, $35 non-members (add $8 for international orders). Pre-Paid only outside U.S and Canada.

National Waterways Conference, Inc. ★

1130 17th Street, N.W., Suite 200, Washington, DC, 20036 U.S.A.; PH: 202/296-4415; FAX: 202/835-3861.
CONTACT: Harry N. Cook, Pres.
FOUNDED: 1960
MEMBERSHIP: 22 individuals, 375 firms or organizations involved in waterway-related businesses, industries and agencies, including bargelines, ports and terminals, waterway shippers and waterway service firms.
OBJECTIVES & ACTIVITIES: To promote a better understanding of the public value of the American waterways system.
PUBLICATIONS: Washington Watch, monthly, $100/yr.

Nebraska Soybean Program

301 Centennial Mall, So., Fourth Floor, P.O. Box 95144, Lincoln, NE, 68509 U.S.A.; PH: 402/471-4894; FAX: 402/471-3345.
CONTACT: James P. Weyer, Man. Dir.
FOUNDED: 1975
MEMBERSHIP: 1,100 individuals, 100 firms or organizations which are soybean producers, county extension agents, elevators, and agribusiness.
OBJECTIVES & ACTIVITIES: By a 1975 declaration of the State of Nebraska, soybean producers are permitted and encouraged to develop, carry out and participate in programs of research, education, market development and promotion. The Nebraska Soybean Resources Act provides this authorization and prescribes operating procedures whereby soybean producers in this state may finance programs to achieve the overall goal of improving the profitability of soybean production.

New Jersey Soybean Industry Advisory Council (GA)

New Jersey Dept. of Agriculture, CN 330, Trenton, NJ, 08625 U.S.A.; PH: 609/292-8853; FAX: 609/984-5367.
CONTACT: Logan Brown, Council Liaison
FOUNDED: 1980
MEMBERSHIP: 11 individuals and 5 firms or organizations. The council members are appointed by the New Jersey State Board of Agriculture and consist of 6 N.J. soybean growers, 2 N.J. handlers or dealers of soybeans, 1 representative of the N.J. soybean processing industry, 1 Dean of Cook College (ex-officio) and 1 N.J. Secretary of Agriculture.
OBJECTIVES & ACTIVITIES: The Council is responsible for administrating programs designed to expand and improve methods of research, promotion and marketing of N.J. soybeans. These include establishing a marketing plan and guidelines assisting in the collection of information and record keeping.
PUBLICATIONS: New Jersey Soybean Industry Advisory Council Summary of Activities, annual, no charge.

Ohio Soybean Association ★★

11 Nationwide Plaza, P.O. Box 479, Columbus, OH 43216 U.S.A.; PH: 614/249-2422; FAX: 614/349-2200.
CONTACT: Keith Stimpert, Exec. Dir.
MEMBERSHIP: 2,078 voluntary members who are Ohio soybean producers and other individuals involved in related agribusinesses.
OBJECTIVES & ACTIVITIES: To improve soybean profitability through promotion, research and educational activities.
PUBLICATIONS: Soybean Connection, 6 times/yr., free with membership.

Organic Foods Production Association of North America (OFPANA) ★★

23 Ames Street, P.O. Box 1078, Greenfield, MA, 01301 U.S.A.; PH: 413/774-7511; FAX: 413/774-6053.
CONTACT: Katherine DiMatteo, Exec. Dir.
FOUNDED: 1985
MEMBERSHIP: 50 individuals and 250 firms or organizations; organic producers (growers, processors and manufacturers), organic food handlers (brokers, distributers and retailers), consultants, certifying agents, and farmers associations.
OBJECTIVES & ACTIVITIES: To build unity within the organic foods industry; promote awareness and understanding of organic food; set standards of excellence for organic businesses; present a strong, unified voice on legislative, regulatory and policy issues; cooperate in the development of unified organic food farming and manufacturing standards, nationally and internationally.
PUBLICATIONS: OFPANA Reports, every 6 weeks, members free, others $50.

Plenty U.S.A. ★

P.O. Box 2306, Davis CA, 95617 U.S.A.; PH: 916/753-0731; FAX: 916/756-7188; TLX: MCI MAIL: Plenty USA.
CONTACT: Laurie Praskin, Dir., Soy Programs
FOUNDED: 1974
MEMBERSHIP: 3,000 donors, individual member donors, volunteers, technical consultants, medical professionals, indigenous representatives.
OBJECTIVES & ACTIVITIES: Plenty is a non-profit, non-political organization whose objectives are to improve the quality of life for those in need. We assist organizations, communities and governments design and implement soybean utilization programs.
PUBLICATIONS: Plenty Bulletin, quarterly, donation $10; Home and Village Soybean Utilization Guide, $5; Integrated Soy Report, $5 (when available); Soy Demonstration Pamphlet, not available.

The Soap & Detergent Association, Glycerine & Oleochemical Division

475 Park Avenue, So., 27th Floor, New York, NY, 10016 U.S.A.; PH: 212/725-1262; FAX: 212/213-0685.
CONTACT: Theodore E. Brenner, Pres.
FOUNDED: 1952
MEMBERSHIP: 18 firms who produce fatty acids and/or glycerine.
OBJECTIVES & ACTIVITIES: Provide information to members and the public on fatty acids, glycerine and their derivatives; provide a forum for discussion of industry concerns and a vehicle for industry response to regulator and/or legislative proposals.

Soy Protein Council ★

1255 23rd Street, N.W., Suite 850, Washington, DC, 20037 U.S.A.; PH: 202/467-6610; TLX: 248959 (NSPA UR); FAX: 202/833-3636.
CONTACT: Sheldon J. Hauck, Exec.

Vice Pres.
FOUNDED: 1971
MEMBERSHIP: 3 firms engaged in processing or sale of edible soy proteins or products.
OBJECTIVES & ACTIVITIES: Build awareness of established nutritional properties of commercially available soy proteins and assist in creating better understanding of the role and utilization of soy proteins in the food systems.

Soyfoods Association of America ★

318 Main Street, P.O. Box 920, Bar Harbor, ME, 04609 U.S.A.; PH: 207/288-9419; FAX: 207/288-5264.
CONTACT: Leslie Harlow, Exec. Dir.
FOUNDED: 1984
MEMBERSHIP: 50 firms or organizations who are manufacturers, marketers, suppliers, distributors and/or retailers of soyfood products.
OBJECTIVES & ACTIVITIES: Provide opportunities for education and exchange of ideas among industry members; create standards, sponsor cooperative marketing and public relations programs; educate consumers regarding the nutritional value of soyfoods and encourage their consumption in the American diet.
PUBLICATIONS: Association Newsletter, quarterly, free to members; Tofu Standards, free to members; discounts available on member publications.

U.S. Dept. of Agriculture, Oilseeds & Products Division (GA)

14th & Independence Avenue, S.W., Room 5646-S, Washington, DC, 20250-1000 U.S.A.; PH: 202/382-0138; FAX: 202/447-7670; TLX: 7108221104.
CONTACT: Sharon McClure, Group Leader

Vegetarian Awareness Network/VEGANET ★★

P.O. Box 50515, Washington, DC, 20004 U.S.A.; PH: 800/USA-VEGE).
CONTACT: Lige Weill, Pres.
MEMBERSHIP: An all-volunteer, social service organization networks nationally to serve those interested in a meatless lifestyle. Also assist companies, associations and institutions. Endeavor to enhance visibility and accessibility of vegetarian products and services to consumers.
OBJECTIVES & ACTIVITIES: Work to advance public awareness of the economic, environmental, ethical and health benefits of vegetarianism. Database for research and referrals to products and services; consumer discount purchasing exchange; sponsorship and licensing programs; speakers' bureau; news service; charitable, educational and promotional projects. Organize Vegetarian Awareness Month, annually (in October).

VENEZUELA

American Soybean Association/South America & Caribbean Basin ★

Centro Plaza, Torre C, Piso 18, Los Palos Grandes, Av. Francisco de Miranda, Caracas 1062, VENEZUELA; PH: 58/2/283-2399 or 283-7566; TLX: 395-29119 (USATO VC).
CONTACT: Lloyd Luckett, Dir.
OBJECTIVES & ACTIVITIES: Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

YUGOSLAVIA

Feed Manufacturer's Association

Gunduliceva 45, P.O. Box 609, Zagreb 41000, YUGOSLAVIA; PH: 041/445-085 or 442-215; TLX: 22411 (PZISH YU).
CONTACT: Lidija Pavesic, Mgr., B. Vet. Sc.
FOUNDED: 1946
MEMBERSHIP: 130 feed manufacturers (premixes and complete feed).
OBJECTIVES & ACTIVITIES: Improvement of feed manufacturing in Yugoslavia (both technology and nutritive); arrangement of congresses, meetings, lectures; trading with feed additives and components; representing foreign firms.
PUBLICATIONS: KRMIVA (scientific journal), monthly, 60 DEM/yr.

ZAIRE

Centre de Recherche Agro-Alimentaire (CRAAL)

Sur la route ole l'Aeroport, B.P. 54, Lubumbashi, ZAIRE; PH: 22/2558.
CONTACT: Nyembo Nkonzi Kalala, Dir. Gen.
FOUNDED: 1982
MEMBERSHIP: 59 firms; food manufacturers.
OBJECTIVES & ACTIVITIES: Conduct applied research in food technology, improvement of traditional food technologies and quality control; carry out feasibility studies and act as consultant for local food industries and farmers.

ZAMBIA

Nam Board (GA)

P.O. Box 122, Lusaka, ZAMBIA.
CONTACT: Gen. Mgr.

ZIMBABWE

Commercial Farmers Union

EXCLUSIVE TRADING AGENCY–
113 Moffat Street, Agricultural House, P.O. Box 592, Harare, ZIMBABWE; PH: 790423; TLX: 22084 (CFU-ZW).
CONTACT: George Hutchison, Chief Exec.
FOUNDED: 1967
MEMBERSHIP: 1300 individuals: commercial soyabean, groundnut (peanut) and sunflower growers in Zimbabwe.
OBJECTIVES & ACTIVITIES: To promote the production of oilseed crops in Zimbabwe, to assist in oilseed crop research and promote increased utilization of oilseed crops.
PUBLICATIONS: Oilseeds Handbook (updated every 2 yrs.), US $10; Farmer Magazine, weekly, US $25/yr. Commercial Agriculture in Zimbabwe, annual, US $15.

Grain Marketing Board (GA)

P.O. Box 8014, Causeway, Harare, ZIMBABWE; PH: 795681; TLX: 233

All Listings Are Free Of Charge

Please Contact Soyatech For More Information

Soybean Processors and Manufacturers of Soy-Based Products

White Pages - Companies Listed by Product

How To Use These Listings: Locate desired product in the following index and turn to page indicated. There you will find names of companies listed under the category you selected. For more information on the companies, turn to the *Yellow Pages* section starting on page 57.

INDEX OF PRODUCTS

Animal/Livestock Feed 30
Concentrates
See Soy Protein Concentrates 38
Cooking/Salad Oil 30
Crude Degummed Soybean Oil
See Soybean Oil, Crude Degummed 46
Crude Soybean Oil
See Soybean Oil, Crude 45
Edible Soybean Oil Products
See Soybean Oil Products, Edible 44
Fatty Acids
See Soybean Fatty Acids 39
Fiber, Soy
See Soy Fiber 34
Flakes, Soy (Full Fat)
See Soy Flakes (Full Fat) 34
Flakes, White For Edible Purposes
See White Flakes For Edible Purposes 51
Fractionated Soybean Oil
See Soybean Oil, Fractionated 47
Frozen Desserts
See Nondairy Frozen Desserts 34
Full Fat Soy Flour
See Soy Flour, Full Fat 36
Grits, Soy
See Soy Grits 38
Hulls, Soybean
See Soybean Hulls 40
Hydrogenated Soybean Oil
See Soybean Oil, Hydrogenated 47
Industrial Soybean Oil Products 31
Isolated Soy Proteins 32
Isolates
See Isolated Soy Proteins 32
Lecithin, Edible-Grade 32
Lecithin, Industrial-Grade 33
Livestock Feed
See Animal/Livestock Feed 30
Margarine
See Soybean Oil Margarine 42
Mayonnaise
See Salad Dressing 34
Meal, Soybean
See Soybean Meal 40
Meat Analogs
See Simulated Meat Products (Analogs) 34
Miso 33
Nondairy Frozen Desserts 34
Nondairy Ice Cream Products
See Nondairy Frozen Desserts 34
Refined Soybean Oil
See Soybean Oil, Refined 48
Salad Dressing 34
Salad Oil
See Cooking/Salad Oil 30
Shortening
See Soybean Oil Shortening 44
Simulated Meat Products (Analogs) 34
Soy Fiber 34
Soy Flakes (Full Fat) 34
Soy Flour 36
Soy Flour, Full Fat 36
Soy Flour, Textured 37
Soy Flour/Soy Protein, Industrial-Grade 38
Soy Grits 38
Soy Protein Concentrates 38
Soy Protein, Industrial-Grade
See Soy Flour/Soy Protein, Industrial-Grade 38
Soy Proteins, Isolated
See Isolated Soy Proteins 32
Soy Sauce 39
Soy Sterols & Tocopherols 39
Soy-Based Foods, Other 39
Soybean Fatty Acids 39
Soybean Hulls 40
Soybean Meal 40
Soybean Oil, Crude 45
Soybean Oil, Crude Degummed 46
Soybean Oil, Fractionated 47
Soybean Oil, Hydrogenated 47
Soybean Oil, Industrial-Grade 47
Soybean Oil Margarine 42
Soybean Oil Products, Edible 44
Soybean Oil, Refined 48
Soybean Oil Shortening 44
Soybeans 134
Soyfoods 50
Soymilk, Drinks or Beverages 50
Soymilk, Spray-Dried 50
Soynuts 50
Spray-Dried Soymilk
See Soymilk, Spray-Dried 50
Spray-Dried Tofu
See Tofu, Spray-Dried 51
Tempeh 51
Textured Soy Flour
See Soy Flour, Textured 37
Tocopherols
See Soy Sterols & Tocopherols 39
Tofu & Tofu Products 51
Tofu
See Tofu & Tofu Products 51
Tofu, Spray-Dried 51
White Flakes For Edible Purposes 51
Whole Soybean Snacks
See Soynuts 50

▼ ANIMAL/LIVESTOCK FEED

Bunge Corporation, (U.S.A.) ..... P. 41
Lucas Meyer GmbH & Company, (GERMANY) .....Inside Front Cover
Aceitera General Deheza S.A., (ARGENTINA)
Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
Anderson Clayton, (MEXICO)
BOCM Silcock Ltd., (ENGLAND)
Brökelmann & Company, Oelmühle GmbH & Company, (GERMANY)
Cargill B.V., (NETHERLANDS)
Central Valley Vegetable Oils, (U.S.A.)
Cereol Deutschland GmbH, (GERMANY)
E. Chamorro Industrial S.A., (NICARAGUA)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
William Connolly & Sons Ltd., (IRELAND)
Consorcio Oleaginoso Portuguesa S.A. (COPOSA), (VENEZUELA)
Cooperativa Central Agropecuária Campos Gerais Ltda., (BRAZIL)
Delmon Poultry Company, (BAHRAIN)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
Dindings Soya & Multifeeds Sdn. Berhad, (MALAYSIA)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
A. W. Ennis Ltd., (IRELAND)
Etz-Hazayith Ltd., (ISRAEL)
Fong-Mao Industries Company Ltd., (TAIWAN)
Fuji Oil Company, Ltd., Kobe Factory, (JAPAN)
Raul Garcia y Cia, S.A. de C.V., (MEXICO)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Honen Corporation, (JAPAN)
Honeymead Products Company, (U.S.A.)
Hsiao-Kang By-Products Factory, TSC, (TAIWAN)
Industrials Lavador, C. Por A., (DOMINICAN REPUBLIC)
Industrias J. B. Duarte S.A., (BRAZIL)
Innovex Nutrition 1989 Ltd., (NEW ZEALAND)
Karlshamns AB, (SWEDEN)
Jai Kisan Agro Products, (INDIA)
Lee Yeast Zambia Ltd., (ZAMBIA)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
M. P. Oil Extraction Ltd., (INDIA)
Nav Maharashtra Chakan Oil Mills, (INDIA)
The Nisshin Oil Mills, Ltd., (JAPAN)
Oleica S.A., (ECUADOR)
Oleificio SABO, (SWITZERLAND)
Oleoproteinas del Sureste S.A. de C.V., (MEXICO)
Olivex Ltd., (ISRAEL)
Oswal Agro Mills Ltd., (INDIA)
Perdue Farms, Inc., (U.S.A.)
Perdue, Inc., (U.S.A.)
Prestige Foods Limited, (INDIA)
Premier Industries (India) Ltd., (INDIA)
Productora Nacional de Alimentos Balanceados S.A., (DOMINICAN REPUBLIC)
Pronto Pty. Ltd./Riverland Oilseed Processors, (AUSTRALIA)
Proteinas Industriales La Laguna, S.A. de C.V., (MEXICO)
Proteinas y Grasas S.A. (PROGRASA), (HONDURAS)
Quincy Soybean Company of Arkansas, (U.S.A.)
Raision Tehtaat Oy Ab, (FINLAND)
Rickel, Inc., (U.S.A.)
Riverland Oilseed Processors Pty. Ltd., (AUSTRALIA)
Scaldiswerken Ruien N.V., (BELGIUM)
Schnupp's Grain Roasting, Inc., (U.S.A.)
Schokhi Industrials Pvt. Ltd., (INDIA)
Schouten Commodities B.V., (NETHERLANDS)
Shemen Ind. Ltd., (ISRAEL)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Sociedade Nacional de Saboes, Lda., (PORTUGAL)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Soya Hellas S.A., (GREECE)
Thanakorn Vegetable Oil Products Company, Ltd., (THAILAND)
Tuottajain Rypsi Oy, (FINLAND)
West Bend Elevator Company, (U.S.A.)
West Central Cooperative, (U.S.A.)

▼ CONCENTRATES
(See SOY PROTEIN CONCENTRATES)

▼ COOKING/SALAD OIL

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Agri-Industries, Ltd., (CANADA)
A.D.M. Company Europe B.V., (NETHERLANDS)
Aceites Industriales El Zapote, (MEXICO)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Akzo Chemicals, (GERMANY)
Allana Oil Mills, (INDIA)
Ambrosia Oils (1976) Ltd., (CYPRUS)
Anupam Extractions Ltd., (INDIA)
ARLESA, (SPAIN)
Samuel Banner & Company Ltd., (ENGLAND)
Best Foods, CPC International, Inc., (U.S.A.)
Bhavnagar Vegetable Products Unit, (INDIA)
Bunge Foods, (U.S.A.)
Bunge Iberica S.A., (SPAIN)
C & T Refinery, Inc., (U.S.A.)
Calgene Chemical, Inc., (U.S.A.)
Canada Packers, Inc., (CANADA)
Cardowan Creameries Ltd., (SCOTLAND)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Colfax, Inc., (U.S.A.)
Colfax of Philadelphia, Inc., (U.S.A.)
Companhia Portuguesa de Azeites, (PORTUGAL)
Compania Numar S.A., (COSTA RICA)
Compania Oleaginosa del Peru S.A. (COPSA), (PERU)
Compañia Panameña de Aceites, S.A., (PANAMA)
Consorcio Oleaginoso Portuguesa S.A. (COPOSA), (VENEZUELA)
Conway Oil Company, (U.S.A.)
COPRONA S.A., (CHILE)
CSP Foods Ltd., (CANADA)
Derivados de Oleaginosas del Valle S.A. de C.V., (MEXICO)
Devon Industries Sdn Bhd, (SINGAPORE)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
DS Industries ApS, (DENMARK)
The Edible Oil Refining Company Ltd., (MALTA)
The Egyptian National Vegetable Oils Extraction Corp. (ENVOCO), (EGYPT)
Ener-G Foods, Inc., (U.S.A.)
Etz-Hazayith Ltd., (ISRAEL)
Fabrica de Aceites la Favorita S. A., (ECUADOR)
Fuji Oil Company, Ltd., Han-nan Factory, (JAPAN)
Fwu Sow Grain Products Company, Ltd., (TAIWAN)
Gateway Food Products Company, (U.S.A.)
General Foods Limited, (INDIA)

For A Complete Index Of Equipment, Supplies Or Services
See Pages 99

Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Hidrogenadora Nacional, S.A. de C.V., (MEXICO)
Fritz Homann Lebensmittelwerke GmbH & Company K.G., (GERMANY)
Honen Corporation, (JAPAN)
Honeymead Products Company, (U.S.A.)
Hsiao-Kang By-Products Factory, TSC, (TAIWAN)
HYBCO, U.S.A., (U.S.A.)
Industrial Aceitera S.A., (MEXICO)
Industrial Enterprises Company Ltd., (THAILAND)
Industrias Ales C.A., (ECUADOR)
Industrias de Aceite S.A., (BOLIVIA)
Industrias J. B. Duarte S.A., (BRAZIL)
Italiana Olii & Risi S.p.A., (ITALY)
Izhar Industries (2000) Ltd., (ISRAEL)
Karlshamns AB, (SWEDEN)
Karlshamns USA Inc., (U.S.A.)
Khyber Agro (Pvt) Limited, (PAKISTAN)
Kraft Food Ingredients Corp., (U.S.A.)
Kuwait Flour Mills Company, SAK, (KUWAIT)
Lou Ana Foods, Inc., (U.S.A.)
M. P. Oil Extraction Ltd., (INDIA)
Mallet & Company, Inc., (U.S.A.)
The Malwa Vanaspati & Chemical Company Ltd., (INDIA)
Margarinbolaget AB, (SWEDEN)
Marsa Margarin Sanayi A.S., (TURKEY)
Miami Margarine Company, (U.S.A.)
Molinos Rio de la Plata S.A., (ARGENTINA)
Nav Maharashtra Chakan Oil Mills, (INDIA)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd., (JAPAN)
Noblee & Theorl GmbH, (GERMANY)
O. & L. Sels, (GERMANY)
Oleaginosas del Sureste S.A., (MEXICO)
Oleica S.A., (ECUADOR)
Oleoproteinas del Sureste S.A. de C.V., (MEXICO)
Olivex Ltd., (ISRAEL)
Oljynpuristamo Oy, (FINLAND)
OLMECA S.A., (GUATEMALA)
Olvebra Industrial S.A., (BRAZIL)
Osterreichische Unilever Ges.mbH, (AUSTRIA)
Oswal Agro Mills Ltd., (INDIA)
Paksoy Ticaret ve Sanayi AS, (TURKEY)
Patum Vegetable Oil Company, Ltd., (THAILAND)
Penta Manufacturing Company, Inc., (U.S.A.)
Pokonobe Industries Inc., (CANADA)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
President Enterprises Corp., (TAIWAN)
Prestige Foods Limited, (INDIA)
Primeros Hidrogenadores de Aceites y Grasas Ecuatorianos S.A., (ECUADOR)
Procter & Gamble Ltd., (ENGLAND)
Productora Nacional de Alimentos Balanceados S.A., (DOMINICAN REPUBLIC)
Proteinas Industriales La Laguna, S.A. de C.V., (MEXICO)
Proteinas y Grasas S.A. (PROGRASA), (HONDURAS)
Punjab Cooking Oil (Pvt) Limited, (PAKISTAN)
Quality Food Oils, Inc., (U.S.A.)
Quincy Soybean Company of Arkansas, (U.S.A.)
Raision Tehtaat Oy Ab, (FINLAND)
Riceland Foods, Inc., (U.S.A.)
Rich Products Corporation, (U.S.A.)
Riverland Oilseed Processors Pty. Ltd., (AUSTRALIA)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
Rustco Products Company, (U.S.A.)
S. E. Rykoff & Company, (U.S.A.)
SAFFOLA Quality Foods, Inc., (U.S.A.)
SAIS, (SWITZERLAND)
Sardar Oil Mills Limited, (PAKISTAN)
A. Saumweber GmbH, (GERMANY)
The Savola Company, (SAUDI ARABIA)
Seymour Organic Foods, (U.S.A.)
Shemen Ind. Ltd., (ISRAEL)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Showa Sangyo Company, Ltd., Tsurumi Factory, (JAPAN)
Sociedad Iberica de Molturacion, S.A. (SIMSA), (SPAIN)
STAR Stabilimento Alimentare S.p.A., (ITALY)
TAGOL S.A., (PORTUGAL)
Tay Shan Enterprise Company Ltd., (TAIWAN)
Teth Beth Ltd., (ISRAEL)
Thanakorn Vegetable Oil Products Company, (THAILAND)
C. Thywissen GmbH, (GERMANY)
Townsends, Inc., (U.S.A.)
Tree of Life, Inc., (U.S.A.)
Tri-Star Soya Products Ltd., (INDIA)
United Edible Oils, Inc., (U.S.A.)
United Soya Products Ltd., (INDIA)
Van den Bergh Foods, (U.S.A.)
Van Den Berghs & Jurgens Ltd., (ENGLAND)
N. V. Vandemoortele, (BELGIUM)
Watt's Alimentos S.A., (CHILE)
Wilsey Foods, Inc., (U.S.A.)
Wysong Corporation, (U.S.A.)
Yamasa Shoyu Company, Ltd., (JAPAN)
Yoshihara Oil Mill, Ltd., (JAPAN)
Zam Zam Enterprises (Pvt) Limited, (PAKISTAN)

▼ CRUDE DEGUMMED SOYBEAN OIL
(See SOYBEAN OIL, CRUDE DEGUMMED)

▼ CRUDE SOYBEAN OIL
(See SOYBEAN OIL, CRUDE)

▼ EDIBLE SOYBEAN OIL PRODUCTS
(See SOYBEAN OIL PRODUCTS, EDIBLE)

▼ FATTY ACIDS
(See SOYBEAN FATTY ACIDS)

▼ FIBER, SOY
(See SOY FIBER)

▼ FLAKES, SOY (FULL FAT)
(See SOY FLAKES, FULL FAT)

▼ FLAKES, WHITE FOR EDIBLE PURPOSES
(See WHITE FLAKES FOR EDIBLE PURPOSES)

▼ FRACTIONATED SOYBEAN OIL
(See SOYBEAN OIL, FRACTIONATED)

▼ FROZEN DESSERTS
(See NONDAIRY FROZEN DESSERTS)

▼ FULL FAT SOY FLOUR
(See SOY FLOUR, FULL FAT)

▼ GRITS, SOY
(See SOY GRITS)

▼ HULLS, SOYBEAN
(See SOYBEAN HULLS)

▼ HYDROGENATED SOYBEAN OIL
(See SOYBEAN OIL, HYDROGENATED)

▼ INDUSTRIAL SOYBEAN OIL PRODUCTS

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
Allana Oil Mills, (INDIABOCM Silcock Ltd., (ENGLAND)
Anderson Clayton, (MEXICO)

Canada Packers, Inc., (CANADA)
Cereol Deutschland GmbH, (GERMANY)
COGRA Lever S.A., (COLOMBIA)
COPRONA S.A., (CHILE)
Patrick Cudahy Inc., (U.S.A.)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
DS Industries ApS, (DENMARK)
The Edible Oil Refining Company Ltd., (MALTA)
Energe S.A., (BRAZIL)
Etz-Hazayith Ltd., (ISRAEL)
Fabrica de Aceites la Favorita S. A., (ECUADOR)
Fong-Mao Industries Company Ltd., (TAIWAN)
Fuji Oil Company, Ltd., Han-nan Factory, (JAPAN)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
Grain States Soya, Inc., (U.S.A.)
Great Wall Enterprise Company Ltd., (TAIWAN)
Henkel Corporation, Emery Group, (U.S.A.)
Hidrogenadora Nacional, S.A. de C.V., (MEXICO)
Honeymead Products Company, (U.S.A.)
Industrias J. B. Duarte S.A., (BRAZIL)
Izhar Industries (2000) Ltd., (ISRAEL)
Karlshamns AB, (SWEDEN)
Lou Ana Foods, Inc., (U.S.A.)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
Meadow Lea Foods, (AUSTRALIA)
The Nisshin Oil Mills, Ltd. , (JAPAN)
N.V. Oliefabriek Lichtervelde, (BELGIUM)
Patum Vegetable Oil Company, Ltd., (THAILAND)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Quincy Soybean Company of Arkansas, (U.S.A.)
Raision Tehtaat Oy Ab, (FINLAND)
Walter Rau, Neusser Oel und Fett AG, (GERMANY)
SAIS, (SWITZERLAND)
Shemen Ind. Ltd., (ISRAEL)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Showa Sangyo Company, Ltd., Tsurumi Factory, (JAPAN)
Sociedade Nacional de Saboes, Lda., (PORTUGAL)
Soon Soon Oilmills SDN BHD, (MALAYSIA)
M/S- Spinzer Industries Ltd. (Ghee Mills), (PAKISTAN)
Townsends, Inc., (U.S.A.)
Van den Bergh Foods, (U.S.A.)
N. V. Vandemoortele, (BELGIUM)

▼ ISOLATED SOY PROTEINS

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Edelsoja GmbH, (GERMANY) ..... P. 1
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Europoort B.V., (NETHERLANDS)
Automergic Chemetals Corporation, (U.S.A.)
The British Arkady Company Ltd., (ENGLAND)
Dairyland Products, Inc., (U.S.A.)
Fearn Natural Foods, (U.S.A.)
Fielder Ralston Proteins Pty., (AUSTRALIA)
Fuji Oil Company, Ltd., Han-nan Factory, (JAPAN)
Goorden N.V., (BELGIUM)
Loders Croklaan B.V., (NETHERLANDS)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
The Nisshin Oil Mills, Ltd. , (JAPAN)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Protein Technologies International, Inc., (U.S.A.)
Purina Protein de Mexico, S.A. de C.V., (MEXICO)
Rich Products Corporation, (U.S.A.)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Stern-Chemie, (GERMANY)
The Tata Oil Mills Company Ltd., (INDIA)

▼ ISOLATES

(See ISOLATED SOY PROTEINS)

▼ LECITHIN, EDIBLE-GRADE

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
W. A. Cleary Products, Inc., (U.S.A.) ..... P. 33
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Agri-Industries, Ltd., (CANADA)
A.D.M. Company Europe B.V., (NETHERLANDS)
A.D.M. Europoort B.V., (NETHERLANDS)
Aarhus Oliefabrik A/S, (DENMARK)
Aceitera General Deheza S.A., (ARGENTINA)
Aceitera Matamoros, S.A. de C.V., (MEXICO)
Aceites del Caribe S.A., (COLOMBIA)
Aceites y Proteias S.A. (ACEPROSA), (SPAIN)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Alpine Solvex Limited, (INDIA)
Ambrosia Oils (1976) Ltd., (CYPRUS)
Automergic Chemetals Corporation, (U.S.A.)
Avatar Corporation, (U.S.A.)
The British Arkady Company Ltd., (ENGLAND)
Bunge Iberica S.A., (SPAIN)
Calgene Chemical, Inc., (U.S.A.)
Central Soya Company, Inc., (U.S.A.)
Central Soya of Canada Ltd., (CANADA)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Cereol Deutschland GmbH, (GERMANY)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Companhia Portuguesa de Azeites, (PORTUGAL)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
Derivados de Oleaginosas del Valle S.A. de C.V., (MEXICO)
DS Industries ApS, (DENMARK)
Energe S.A., (BRAZIL)
Etz-Hazayith Ltd., (ISRAEL)
Fearn Natural Foods, (U.S.A.)
Fwu Sow Grain Products Company, Ltd., (TAIWAN)
General Foods Limited, (INDIA)
Goorden N.V., (BELGIUM)
Grasas S.A., (COLOMBIA)
Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Honen Corporation, (JAPAN)
Honeymead Products Company, (U.S.A.)
INDO S.A., (ARGENTINA)
Industria Gáucha de Farelos e Oleos S.A. (FAROL), (BRAZIL)
Industrias J. B. Duarte S.A., (BRAZIL)
Italiana Olii & Risi S.p.A., (ITALY)
Izhar Industries (2000) Ltd., (ISRAEL)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer, Inc., (U.S.A.)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
A. Nattermann & Cie. GmbH, (GERMANY)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Nutrimul B.V., (NETHERLANDS)
Oleoproteinas del Sureste S.A. de C.V., (MEXICO)
Olivex Ltd., (ISRAEL)
Oljynpuristamo Oy, (FINLAND)
Penta Manufacturing Company, Inc., (U.S.A.)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
President Enterprises Corp., (TAIWAN)
Prestige Foods Limited, (INDIA)

Quincy Soybean Company of Arkansas, (U.S.A.)
Riceland Foods, Inc., (U.S.A.)
Shemen Ind. Ltd., (ISRAEL)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Sociedad Iberica de Molturacion, S.A. (SIMSA), (SPAIN)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Soya Mainz GmbH & Company Kommanditgesellschaft, (GERMANY)
Stern-Chemie, (GERMANY)
Teth Beth Ltd., (ISRAEL)
C. Thywissen GmbH, (GERMANY)
Toyo Oil Mills Company, Inc., (JAPAN)
N.V. Vamo Mills, (BELGIUM)
Van den Bergh Foods, (U.S.A.)

▼ LECITHIN, INDUSTRIAL-GRADE

W. A. Cleary Products, Inc., (U.S.A.) ..... **P. 33**
Lucas Meyer GmbH & Company, (GERMANY) ..... **Inside Front Cover**
SAMRIG S.A., (BRAZIL) ..... **P. 37**
A.D.M. Agri-Industries, Ltd., (CANADA)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Bunge Iberica S.A., (SPAIN)
Calgene Chemical, Inc., (U.S.A.)
Central Soya Company, Inc., (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Cereol Deutschland GmbH, (GERMANY)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Companhia Portuguesa de Azeites, (PORTUGAL)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
Energe S.A., (BRAZIL)
Etz-Hazayith Ltd., (ISRAEL)
General Foods Limited, (INDIA)
Grasas S.A., (COLOMBIA)
Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Honeymead Products Company, (U.S.A.)
INDO S.A., (ARGENTINA)
Industria Gáucha de Farelos e Oleos S.A. (FAROL), (BRAZIL)
Industrias J. B. Duarte S.A., (BRAZIL)
Industrias Molturadoras S.A. (IMSA), (ARGENTINA)
Karlshamns USA Inc., (U.S.A.)
Loveland Industries, Inc., (U.S.A.)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer, Inc., (U.S.A.)
Lucas Meyer N.V., (BELGIUM)
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▼ LIVESTOCK FEED

(See ANIMAL/ LIVESTOCK FEED)

▼ MARGARINE

(See SOYBEAN OIL MARGARINE)

▼ MAYONNAISE

(See SALAD DRESSING)

▼ MEAL, SOYBEAN

(See SOYBEAN MEAL)

▼ MEAT ANALOGS

(See SIMULATED MEAT PRODUCTS)

▼ MISO

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Full of Beans, (ENGLAND)
Hawaiian Miso & Soy Company, Ltd., (U.S.A.)
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Mitoku Company Ltd., (JAPAN)
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▼ NONDAIRY ICE CREAM PRODUCTS

(See NONDAIRY FROZEN DESSERTS)

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(See SOYBEAN OIL, REFINED)

▼ SALAD DRESSING

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Aceites Industriales El Zapote, (MEXICO)
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CACOJA, (FRANCE)
Compania Numar S.A., (COSTA RICA)
Conway Oil Company, (U.S.A.)
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O. & L. Sels, (GERMANY)
Oleica S.A., (ECUADOR)
Osterreichische Unilever Ges.mbH, (AUSTRIA)
Penta Manufacturing Company, Inc., (U.S.A.)
Quong Hop & Company, (U.S.A.)
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▼ SALAD OIL

(See COOKING/SALAD OIL)

▼ SHORTENING

(See SOYBEAN OIL SHORTENING)

▼ SIMULATED MEAT PRODUCTS (ANALOGS)

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Alimentos S.A., (GUATEMALA)
Asahi Industries Company, Ltd., (JAPAN)
Biotrek S.A., (GREECE)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
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Fuji Oil Company, Ltd., Kobe Factory, (JAPAN)
General Spice, Inc., (U.S.A.)
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The Nisshin Oil Mills, Ltd. , (JAPAN)
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Quong Hop & Company, (U.S.A.)
Rose International, (U.S.A.)
Shefa Protein Industries Ltd., (ISRAEL)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Summercorn Foods, Inc., (U.S.A.)
Timmins Group, Inc., (U.S.A.)
Tumaros, Inc., (U.S.A.)
Unisoya, Inc., (CANADA)
White Wave, Inc., (U.S.A.)
Worthington Foods, Inc., (U.S.A.)

▼ SOY FIBER

Edelsoja GmbH, (GERMANY) ..... P. 1
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
SAMRIG S.A., (BRAZIL) ..... P. 37
Aarhus Oliefabrik A/S, (DENMARK)
Alimentos de Soja S.A., (ARGENTINA)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
CACOJA, (FRANCE)
Charlie Lin's "Vitalite" Foods, (U.S.A.)
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Solnuts, Inc., (U.S.A.)
Stern-Chemie, (GERMANY)

▼ SOY FLAKES (FULL FAT)

Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
Mycal Group, Nichii Company of America, (U.S.A.) ..... P. 35, 56, 149
Arrowhead Mills, Inc., (U.S.A.)
Asia Protein Company, Ltd., (JAPAN)
Honeymead Products Company, (U.S.A.)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
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▼ SOY FLOUR

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Edelsoja GmbH, (GERMANY) ..... P. 1
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
Lucas Meyer GmbH & Company, (GERMANY) .....Inside Front Cover
SAMRIG S.A., (BRAZIL) ..... P. 37

A.D.M. Europoort B.V., (NETHERLANDS)
Aceites y Proteias S.A. (ACEPROSA), (SPAIN)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
BAR N.A., Inc., (U.S.A.)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
Cargill, Inc., (U.S.A.)
Central Soya Company, Inc., (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Companhia Portuguesa de Azeites, (PORTUGAL)
Compania Oleaginosa del Peru S.A. (COPSA), (PERU)
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Etz-Hazayith Ltd., (ISRAEL)
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Fuji Oil Company, Ltd., Kobe Factory, (JAPAN)
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Honeymead Products Company, (U.S.A.)
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Loders Croklaan B.V., (NETHERLANDS)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer, Inc., (U.S.A.)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
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Oleaginosas Españolas, S.A. (OESA), (SPAIN)
Oljynpuristamo Oy, (FINLAND)
Paksoy Ticaret ve Sanayi AS, (TURKEY)
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Prestige Foods Limited, (INDIA)
Pronto Pty. Ltd./Riverland Oilseed Processors, (AUSTRALIA)
Seymour Organic Foods, (U.S.A.)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Showa Sangyo Company, Ltd., Tsurumi Factory, (JAPAN)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Solbar Hatzor Ltd., (ISRAEL)
Specialty Grain Company, (U.S.A.)
Stern-Chemie, (GERMANY)
United Soya Products Ltd., (INDIA)
N.V. Vamo Mills, (BELGIUM)
Vippy Solvex Products Ltd., (INDIA)

▼ SOY FLOUR, FULL FAT

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Edelsoja GmbH, (GERMANY) ..... P. 1
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36

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Lucas Meyer GmbH & Company, (GERMANY) .....Inside Front Cover
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ACEPROSA, (SPAIN)
ALIDOC, (FRANCE)
Alpine Solvex Limited, (INDIA)
ARLESA, (SPAIN)
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BAR N.A., Inc., (U.S.A.)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
Bunge Iberica S.A., (SPAIN)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
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Energe S.A., (BRAZIL)
A. W. Ennis Ltd., (IRELAND)
Fearn Natural Foods, (U.S.A.)
Fong-Mao Industries Company Ltd., (TAIWAN)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
Golden Harvest Cereal Pty. Ltd., (SOUTH AFRICA)
Goorden N.V., (BELGIUM)
Great Wall Enterprise Company Ltd., (TAIWAN)
HiPro Food Products, Inc., (U.S.A.)
Honen Corporation, (JAPAN)
Industrial de Alimentos S.A., (MEXICO)
Lee Yeast Zambia Ltd., (ZAMBIA)
Liga Mexico Panamericana Medico Educacional A.G., (MEXICO)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer, Inc., (U.S.A.)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Nutrimul B.V., (NETHERLANDS)
Oleaginosas Españolas, S.A. (OESA), (SPAIN)
Oljynpuristamo Oy, (FINLAND)
Olvebra Industrial S.A., (BRAZIL)
Premier Industries (India) Ltd., (INDIA)
Productora Costarricense de Alimentos, (COSTA RICA)
Productos Alimenticios Delicias S.A. de C.V., (MEXICO)
Pronto Pty. Ltd./Riverland Oilseed Processors, (AUSTRALIA)
Riverland Oilseed Processors Pty. Ltd., (AUSTRALIA)
Seymour Organic Foods, (U.S.A.)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Solnuts B.V., (NETHERLANDS)
Solnuts, Inc., (U.S.A.)
Stern-Chemie, (GERMANY)
TAGOL S.A., (PORTUGAL)
N.V. Vamo Mills, (BELGIUM)
Wysong Corporation, (U.S.A.)

▼ SOY FLOUR, TEXTURED

Archer Daniels Midland Company, (U.S.A.) .....Back Cover
Edelsoja GmbH, (GERMANY) .....P. 1
SAMRIG S.A., (BRAZIL) .....P. 37
Aarhus Oliefabrik A/S, (DENMARK)
Allana Oil Mills, (INDIA)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
Cargill B.V., (NETHERLANDS)
Central Soya Company, Inc., (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Ener-G Foods, Inc., (U.S.A.)
Energe S.A., (BRAZIL)
Fearn Natural Foods, (U.S.A.)
General Foods Limited, (INDIA)
General Spice, Inc., (U.S.A.)
GMB Proteins Ltd., (ENGLAND)
Goorden N.V., (BELGIUM)
Industrial de Alimentos S.A., (MEXICO)
Loders Croklaan B.V., (NETHERLANDS)
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Societe Industrielle des Oleagineux (SIO), (FRANCE)
Solbar Hatzor Ltd., (ISRAEL)

▼ SOY FLOUR/SOY PROTEIN, INDUSTRIAL-GRADE

Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
SAMRIG S.A., (BRAZIL) ..... P. 37
Aceites y Derivados del Pacifico S.A., (MEXICO)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BOCM Silcock Ltd., (ENGLAND)
Cargill, Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cherwell Ralli Europe, (FRANCE)
Cherwell Valley Silos Ltd., (ENGLAND)
Companhia Portuguesa de Azeites, (PORTUGAL)
William Connolly & Sons Ltd., (IRELAND)
Dindings Soya & Multifeeds Sdn. Berhad, (MALAYSIA)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
Ener-G Foods, Inc., (U.S.A.)
Energe S.A., (BRAZIL)
Etz-Hazayith Ltd., (ISRAEL)
Fong-Mao Industries Company Ltd., (TAIWAN)
Raul Garcia y Cia, S.A. de C.V., (MEXICO)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
Golden Harvest Cereal Pty. Ltd., (SOUTH AFRICA)
Grain States Soya, Inc., (U.S.A.)
Grasas S.A., (COLOMBIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Hendrix Voeders B.V., (NETHERLANDS)
Honeymead Products Company, (U.S.A.)
Industria Gáucha de Farelos e Oleos S.A. (FAROL), (BRAZIL)
Industrial de Alimentos S.A., (MEXICO)
Innovex Nutrition 1989 Ltd., (NEW ZEALAND)
Lee Yeast Zambia Ltd., (ZAMBIA)
Loders Croklaan B.V., (NETHERLANDS)
Mervo Products B.V., (NETHERLANDS)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Oleaginosas Españolas, S.A. (OESA), (SPAIN)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Premier Industries (India) Ltd., (INDIA)
Protein Technologies International, Inc., (U.S.A.)
Proteinas Basicas, S.A. de C.V., (MEXICO)
Proteinas Naturales, S.A. de C.V., (MEXICO)
Riverland Oilseed Processors Pty. Ltd., (AUSTRALIA)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Showa Sangyo Company, Ltd., Tsurumi Factory, (JAPAN)
Sociedade Nacional de Saboes, Lda., (PORTUGAL)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Soya Hellas S.A., (GREECE)
Specialty Grain Company, (U.S.A.)
TAGOL S.A., (PORTUGAL)
N.V. Vamo Mills, (BELGIUM)
Vippy Solvex Products Ltd., (INDIA)

▼ SOY GRITS

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Edelsoja GmbH, (GERMANY) ..... P. 1
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Europoort B.V., (NETHERLANDS)
Aarhus Oliefabrik A/S, (DENMARK)
Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
Alpine Solvex Limited, (INDIA)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
Cargill B.V., (NETHERLANDS)
Cargill, Inc., (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Ener-G Foods, Inc., (U.S.A.)
Fearn Natural Foods, (U.S.A.)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
General Spice, Inc., (U.S.A.)
Goorden N.V., (BELGIUM)
HiPro Food Products, Inc., (U.S.A.)
Industria Gáucha de Farelos e Oleos S.A. (FAROL), (BRAZIL)
Industrial de Alimentos S.A., (MEXICO)
Lauhoff Grain Company, (U.S.A.)
Lucas Ingredients Ltd., (ENGLAND)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer, Inc., (U.S.A.)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Oljynpuristamo Oy, (FINLAND)
Olvebra Industrial S.A., (BRAZIL)
Premier Industries (India) Ltd., (INDIA)
Prestige Foods Limited, (INDIA)
Schouten Commodities B.V., (NETHERLANDS)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Solnuts B.V., (NETHERLANDS)
Solnuts, Inc., (U.S.A.)
Specialty Grain Company, (U.S.A.)
Stern-Chemie, (GERMANY)
Tree of Life, Inc., (U.S.A.)
Vippy Solvex Products Ltd., (INDIA)

▼ SOY PROTEIN CONCENTRATES

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Edelsoja GmbH, (GERMANY) ..... P. 1
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
SAMRIG S.A., (BRAZIL) ..... P. 37
Aarhus Oliefabrik A/S, (DENMARK)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
CACOJA, (FRANCE)
Central Soya Company, Inc., (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
General Spice, Inc., (U.S.A.)
Izhar Industries (2000) Ltd., (ISRAEL)
Loders Croklaan B.V., (NETHERLANDS)
Lucas Ingredients Ltd., (ENGLAND)
Lucas Meyer B.V., (NETHERLANDS)
Lucas Meyer France S.A., (FRANCE)
Lucas Meyer N.V., (BELGIUM)
Lucas Meyer S.A., (SPAIN)
Lucas Meyer SRL, (ITALY)
Lucas Meyer (UK) Ltd., (ENGLAND)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Olvebra Industrial S.A., (BRAZIL)
Pacific Foods, (U.S.A.)
Protein Research Associates, (U.S.A.)
Rich Products Corporation, (U.S.A.)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Solbar Hatzor Ltd., (ISRAEL)
Stern-Chemie, (GERMANY)

— Please Check Your Listing For Accuracy —

▼ SOY PROTEIN, INDUSTRIAL-GRADE

(See SOY FLOUR/ SOY PROTEIN, INDUSTRIAL-GRADE)

▼ SOY PROTEINS, ISOLATED

(See ISOLATED SOY PROTEINS)

▼ SOY SAUCE

Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
CACOJA, (FRANCE)
Full of Beans, (ENGLAND)
Higashimaru Shoyu Company, Ltd., (JAPAN)
Higeta Shoyu Company, Ltd., (JAPAN)
House of Tsang, (U.S.A.)
Kikkoman Corporation, (JAPAN)
Kikkoman Foods, Inc., (U.S.A.)
Mandarin Soy Sauce, Inc., (U.S.A.)
Marukin Shoyu Company, Ltd., (JAPAN)
Marusan-Ai Company, Ltd., (JAPAN)
Mitoku Company Ltd., (JAPAN)
President Enterprises Corp., (TAIWAN)
San-J International, Inc., (U.S.A.)
San-Jirushi Corporation, (JAPAN)
Tree of Life, Inc., (U.S.A.)
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Yeo Hiap Seng Ltd., (SINGAPORE)
Yeo Hiap Seng (M) BHD, (MALAYSIA)

▼ SOY STEROLS & TOCOPHEROLS

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Automergic Chemetals Corporation, (U.S.A.)
Conway Oil Company, (U.S.A.)
Eastman Chemical Company, (U.S.A.)
Great Wall Enterprise Company Ltd., (TAIWAN)
Industrias J. B. Duarte S.A., (BRAZIL)
The Nisshin Oil Mills, Ltd. , (JAPAN)
O. & L. Sels, (GERMANY)
Prestige Foods Limited, (INDIA)
Quincy Soybean Company of Arkansas, (U.S.A.)
Tay Shan Enterprise Company Ltd., (TAIWAN)

▼ SOY-BASED FOODS, OTHER

Clofine Dairy & Food Products, Inc., (U.S.A.) ..... P. 49, 54
Fa. L.I. Frank, (NETHERLANDS) ..... P. 36
American Natural Snacks, Inc., (U.S.A.)
Aros Sojaprodukter AB, (SWEDEN)
Ashland Soy Works, (U.S.A.)
Automergic Chemetals Corporation, (U.S.A.)
Avatar Corporation, (U.S.A.)
Azumaya Inc., (U.S.A.)
Biotrek S.A., (GREECE)
Bountiful Bean, (U.S.A.)
Georg Breuer Food Agency, (GERMANY)
The British Arkady Company Ltd., (ENGLAND)
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Cauldron Foods Ltd., (ENGLAND)
Cemac Foods Corporation, (U.S.A.)
Champlain Industries, Inc., (U.S.A.)
Charlie Lin's "Vitalite" Foods, (U.S.A.)
Compania Numar S.A., (COSTA RICA)
Country Farmhouse Soya Products, (JAMAICA)
Cricklewood Soyfoods, (U.S.A.)
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De Hobbit, (BELGIUM)
Energe S.A., (BRAZIL)
Energy Sprouts & Texas Tofu, (U.S.A.)
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Fantastic Foods, Inc., (U.S.A.)
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Haldane Foods Ltd., (ENGLAND)
Heuschen-Schrouff B.V., (NETHERLANDS)
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Interfood Deutschland GmbH, (GERMANY)
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MAHO Distribution, (FRANCE)
Mallet & Company, Inc., (U.S.A.)
Mandarin Soy Sauce, Inc., (U.S.A.)
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Nasoya Foods, (U.S.A.)
Natural Health & Nutrition Center, (U.S.A.)
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Protein Research Associates, (U.S.A.)
Quong Hop & Company, (U.S.A.)
Rose International, (U.S.A.)
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The Savola Company, (SAUDI ARABIA)
The Simple Soyman, (U.S.A.)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
SOJADOC, (FRANCE)
Sovex Natural Foods, Inc., (U.S.A.)
Soyco Foods, (U.S.A.)
Soyeh Natural, Inc., (U.S.A.)
Spring Creek Natural Foods, (U.S.A.)
Springfield Creamery, (U.S.A.)
A. E. Staley Manufacturing Company, Gunther Division, (U.S.A.)
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Swan Gardens, Inc., (U.S.A.)
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Tofutti Brands Inc., (U.S.A.)
Tomanetti Foods, Inc., (U.S.A.)
Unisoya, Inc., (CANADA)
Van den Bergh Foods, (U.S.A.)
White Wave, Inc., (U.S.A.)
Worthington Foods, Inc., (U.S.A.)
Wysong Corporation, (U.S.A.)

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Cereol Deutschland GmbH, (GERMANY)
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A/S Denofa Og Lilleborg Fabriker, (NORWAY)
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Karlshamns USA Inc., (U.S.A.)
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The Nisshin Oil Mills, Ltd. , (JAPAN)
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Patum Vegetable Oil Company, Ltd., (THAILAND)
Procter & Gamble Ltd., (ENGLAND)
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Raision Tehtaat Oy Ab, (FINLAND)
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SAIS, (SWITZERLAND)
Soon Soon Oilmills SDN BHD, (MALAYSIA)

Soya Mainz GmbH & Company Kommanditgesellschaft, (GERMANY)
Toyo Oil Mills Company, Inc., (JAPAN)
United Soya Products Ltd., (INDIA)
Van den Bergh Foods, (U.S.A.)

▼ SOYBEAN HULLS

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Bunge Corporation, (U.S.A.) ..... P. 41
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Agri-industries, Ltd., (CANADA)
A.D.M. Europoort B.V., (NETHERLANDS)
Aceitera Tapatia S.A. de C.V., (MEXICO)
Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
CACOJA, (FRANCE)
Cargill Agricola S.A., (BRAZIL)
Cargill B.V., (NETHERLANDS)
Cargill España, S.A., (SPAIN)
Cargill UK Ltd., (ENGLAND)
Central Soya Company, Inc., (U.S.A.)
CEREOL B.V., (NETHERLANDS)
Cereol Deutschland GmbH, (GERMANY)
CEREOL Italia S.r.l., (ITALY)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Compagnie Cargill S.A., (FRANCE)
Compania Industrial y de Abastecimientos S.A. (CINDASA), (SPAIN)
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Continental Grain Company, Processing Division, (U.S.A.)
The Egyptian National Vegetable Oils Extraction Corp. (ENVOCO), (EGYPT)
Etz-Hazayith Ltd., (ISRAEL)
Fabrica de Jabon La Corona, S.A. de C.V., (MEXICO)
Raul Garcia y Cia, S.A. de C.V., (MEXICO)
Gardner Smith Pty. Ltd., (AUSTRALIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Honeymead Products Company, (U.S.A.)
Industrial Aceitera S.A., (MEXICO)
Industrials Lavador, C. Por A., (DOMINICAN REPUBLIC)
Industrias Alas C.A., (ECUADOR)
Italiana Olii & Risi S.p.A., (ITALY)
Lauhoff Grain Company, (U.S.A.)
Molinos Union del Yaqui S.A. de C.V., (MEXICO)
National Flour Mills Ltd., (TRINIDAD & TOBAGO)
Nav Maharashtra Chakan Oil Mills, (INDIA)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Oleaginosas del Sureste S.A., (MEXICO)
Olivex Ltd., (ISRAEL)
Olvebra Industrial S.A., (BRAZIL)
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Perdue, Inc., (U.S.A.)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
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Proteinas Naturales, S.A. de C.V., (MEXICO)
Proteinas y Aceites del Bajio, S.A. de C.V. (PROTABSA), (MEXICO)
Proteinas y Grasas S.A. (PROGRASA), (HONDURAS)
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Soya Mainz GmbH & Company Kommanditgesellschaft, (GERMANY)
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Toyo Oil Mills Company, Inc., (JAPAN)
Tri-Star Soya Products Ltd., (INDIA)
N.V. Vamo Mills, (BELGIUM)

▼ SOYBEAN MEAL

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Bunge Corporation, (U.S.A.) ..... P. 41
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Agri-Industries, Ltd., (CANADA)
A.D.M. Company Europe B.V., (NETHERLANDS)
A.D.M. Europoort B.V., (NETHERLANDS)
A.D.M. Oelmuehlen GmbH, (GERMANY)
A.D.M. Oelwerke Spyck, (GERMANY)
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Aceitera Tapatia S.A. de C.V., (MEXICO)
Aceites del Caribe S.A., (COLOMBIA)
Aceites del Mayo S.A. de C.V., (MEXICO)
Aceites Vegetales S.A. (ACEVESA), (SPAIN)
Aceites y Proteias S.A. (ACEPROSA), (SPAIN)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
Alpine Solvex Limited, (INDIA)
Anupam Extractions Ltd., (INDIA)
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BOCM Silcock Ltd., (ENGLAND)
Bunge Iberica S.A., (SPAIN)
Buyatti S.A.I.C.A., (ARGENTINA)
Cake & Oil Products Pvt. Ltd., (PAKISTAN)
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Cargill B.V., (NETHERLANDS)
Cargill España, S.A., (SPAIN)
Cargill Processing Ltd., (AUSTRALIA)
Cargill S.A., (ARGENTINA)
Cargill Soya France, (FRANCE)
Cargill UK Ltd., (ENGLAND)
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Central Soya of Canada Ltd., (CANADA)
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Fwu Sow Grain Products Company, Ltd., (TAIWAN)
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Tri-Star Soya Products Ltd., (INDIA)
Tvornica za preradu soje, (YUGOSLAVIA)
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N.V. Vamo Mills, (BELGIUM)
Vippy Solvex Products Ltd., (INDIA)
Vishwa Oil Products, Ltd., (INDIA)
West Bend Elevator Company, (U.S.A.)
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Yoshihara Oil Mill, Ltd., (JAPAN)
Zuaitzo Proteinas Vegetales, (SPAIN)

▼ SOYBEAN OIL MARGARINE

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
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Best Foods, CPC International, Inc., (U.S.A.)
Bhavnagar Vegetable Products Unit, (INDIA)
Bunge Foods, (U.S.A.)
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Canada Packers, Inc., (CANADA)
Cardowan Creameries Ltd., (SCOTLAND)
Central Valley Vegetable Oils, (U.S.A.)
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Compania Oleaginosa del Peru S.A. (COPSA), (PERU)
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Devon Industries Sdn Bhd, (SINGAPORE)
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Etz-Hazayith Ltd., (ISRAEL)
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Honeymead Products Company, (U.S.A.)
HYBCO, U.S.A., (U.S.A.)
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Industrias Ales C.A., (ECUADOR)
Industrias de Aceite S.A., (BOLIVIA)
Izhar Industries (2000) Ltd., (ISRAEL)
Karlshamns AB, (SWEDEN)
Karlshamns USA Inc., (U.S.A.)
Kraft Food Ingredients Corp., (U.S.A.)
Lever Brothers Company, (U.S.A.)
Margarinbolaget AB, (SWEDEN)
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Matthews Foods PLC, (ENGLAND)
Meadow Lea Foods, (AUSTRALIA)
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▼ SOYBEAN OIL PRODUCTS, EDIBLE

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
Lucas Meyer GmbH & Company, (GERMANY) ..... Inside Front Cover
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A.D.M. Company Europe B.V., (NETHERLANDS)
A.D.M. Europoort B.V., (NETHERLANDS)
Aarhus Oliefabrik A/S, (DENMARK)
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Cereol Deutschland GmbH, (GERMANY)
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Colfax of Philadelphia, Inc., (U.S.A.)
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A/S Denofa Og Lilleborg Fabriker, (NORWAY)
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The Egyptian National Vegetable Oils Extraction Corp. (ENVOCO), (EGYPT)
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Etz-Hazayith Ltd., (ISRAEL)
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Lucas Meyer France S.A., (FRANCE)
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Lucas Meyer S.A., (SPAIN)
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Lucas Meyer (UK) Ltd., (ENGLAND)
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Yoshihara Oil Mill, Ltd., (JAPAN)

▼ SOYBEAN OIL SHORTENING

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
SAMRIG S.A., (BRAZIL) ..... P. 37
A.D.M. Agri-Industries, Ltd., (CANADA)
Aceites Industriales El Zapote, (MEXICO)
Anderson Clayton, (MEXICO)
Bunge Foods, (U.S.A.)
Calgene Chemical, Inc., (U.S.A.)
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Paksoy Ticaret ve Sanayi AS, (TURKEY)
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▼ SOYBEAN OIL, CRUDE

Archer Daniels Midland Company, (U.S.A.) ..... **Back Cover**
Bunge Corporation, (U.S.A.) ..... **P. 41**
A.D.M. Agri-Industries, Ltd., (CANADA)
A.D.M. Europoort B.V., (NETHERLANDS)
A.D.M. Oelmuehlen GmbH, (GERMANY)
A.D.M. Oelwerke Spyck, (GERMANY)
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CEREOL Italia S.r.l., (ITALY)
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Narsingh Extraction & Allied Products Pvt. Ltd., (INDIA)
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Nikka Fats & Oils Company, Ltd., (JAPAN)

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C. Thywissen GmbH, (GERMANY)
Townsends, Inc., (U.S.A.)
Tri-Star Soya Products Ltd., (INDIA)
Tuottajain Rypsi Oy, (FINLAND)
United Soya Products Ltd., (INDIA)
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Vegetable Oils (Nigeria) Ltd., (NIGERIA)
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Wysong Corporation, (U.S.A.)
Yoshihara Oil Mill, Ltd., (JAPAN)

▼ SOYBEAN OIL, CRUDE DEGUMMED

Archer Daniels Midland Company, (U.S.A.) ..... **Back Cover**
Bunge Corporation, (U.S.A.) ..... **P. 41**
SAMRIG S.A., (BRAZIL) ..... **P. 37**

A.D.M. Agri-Industries, Ltd., (CANADA)
A.D.M. Europoort B.V., (NETHERLANDS)
A.D.M. Oelwerke Spyck, (GERMANY)
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Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
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General Foods Limited, (INDIA)
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TAGOL S.A., (PORTUGAL)
Tankay S.A., (ARGENTINA)
Teth Beth Ltd., (ISRAEL)
C. Thywissen GmbH, (GERMANY)
Tvornica za preradu soje, (YUGOSLAVIA)
United Soya Products Ltd., (INDIA)
N.V. Vamo Mills, (BELGIUM)
Sam Yang Oil & Feed Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Yoshihara Oil Mill, Ltd., (JAPAN)

▼ SOYBEAN OIL, FRACTIONATED

Fabrica de Aceites la Favorita S. A., (ECUADOR)
Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)
Industrias de Aceite S.A., (BOLIVIA)
Karlshamns AB, (SWEDEN)
Meadow Lea Foods, (AUSTRALIA)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Noblee & Theorl GmbH, (GERMANY)
Oleica S.A., (ECUADOR)
Penta Manufacturing Company, Inc., (U.S.A.)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
SAIS, (SWITZERLAND)
Van den Bergh Foods, (U.S.A.)
N. V. Vandemoortele, (BELGIUM)

▼ SOYBEAN OIL, HYDROGENATED

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
A.D.M. Europoort B.V., (NETHERLANDS)
Abul Khair Vegetable Oil Industries Ltd., (BANGLADESH)
Aceites Industriales El Zapote, (MEXICO)
Allana Oil Mills, (INDIA)
Samuel Banner & Company Ltd., (ENGLAND)
BEOCO Limited, (ENGLAND)
Bhavnagar Vegetable Products Unit, (INDIA)
C & T Refinery, Inc., (U.S.A.)
Canada Packers, Inc., (CANADA)
Cargill, Inc., (U.S.A.)
Central Soya Company, Inc., (U.S.A.)
Colfax, Inc., (U.S.A.)
Compania Oleaginosa del Peru S.A. (COPSA), (PERU)
Consorcio Oleaginoso Portuguesa S.A. (COPOSA), (VENEZUELA)
Conway Oil Company, (U.S.A.)
COPRONA S.A., (CHILE)
Patrick Cudahy Inc., (U.S.A.)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
DS Industries ApS, (DENMARK)
Etz-Hazayith Ltd., (ISRAEL)
Fabrica de Aceites la Favorita S. A., (ECUADOR)
General Foods Limited, (INDIA)
Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)
Honeymead Products Company, (U.S.A.)
Industrias Ales C.A., (ECUADOR)
Industrias de Aceite S.A., (BOLIVIA)
Industrias J. B. Duarte S.A., (BRAZIL)
Izhar Industries (2000) Ltd., (ISRAEL)
Karlshamns AB, (SWEDEN)
Kraft Food Ingredients Corp., (U.S.A.)
Kuwait Flour Mills Company, SAK, (KUWAIT)
Lou Ana Foods, Inc., (U.S.A.)
The Malwa Vanaspati & Chemical Company Ltd., (INDIA)
Marsa Margarin Sanayi A.S., (TURKEY)
Meadow Lea Foods, (AUSTRALIA)
Mobarak & Company, (EGYPT)
National Flour Mills Ltd., (TRINIDAD & TOBAGO)
Negociacion Industrial Santa Lucia S.A., (MEXICO)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Noblee & Theorl GmbH, (GERMANY)
Oleaginosas del Sureste S.A., (MEXICO)
Oleica S.A., (ECUADOR)
Oleoproteinas del Sureste S.A. de C.V., (MEXICO)
OLMECA S.A., (GUATEMALA)
Osterreichische Unilever Ges.mbH, (AUSTRIA)
Paksoy Ticaret ve Sanayi AS, (TURKEY)
Penta Manufacturing Company, Inc., (U.S.A.)
Perdue Farms, Inc., (U.S.A.)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Primeros Hidrogenadores de Aceites y Grasas Ecuatorianos S.A., (ECUADOR)
Productora Nacional de Alimentos Balanceados S.A., (DOMINICAN REPUBLIC)
Proteinas y Grasas S.A. (PROGRASA), (HONDURAS)
Raision Tehtaat Oy Ab, (FINLAND)
Walter Rau, Neusser Oel und Fett AG, (GERMANY)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
SAIS, (SWITZERLAND)
Shree Shiv Shakti Ghee Udyog Pvt. Ltd., (NEPAL)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
STAR Stabilimento Alimentare S.p.A., (ITALY)
TAGOL S.A., (PORTUGAL)
Van den Bergh Foods, (U.S.A.)
N. V. Vandemoortele, (BELGIUM)
Watt's Alimentos S.A., (CHILE)

▼ SOYBEAN OIL, INDUSTRIAL-GRADE

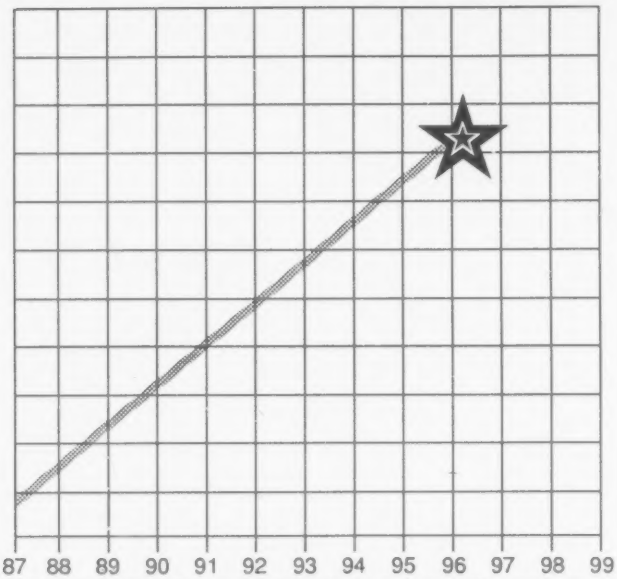
Aceites y Derivados del Pacifico S.A., (MEXICO)
ACEPROSA, (SPAIN)
Ag Processing Inc, (U.S.A.)
Akzo Chemicals, (GERMANY)
Allana Oil Mills, (INDIA)
Ambrosia Oils (1976) Ltd., (CYPRUS)
Anderson Clayton, (MEXICO)
Anupam Extractions Ltd., (INDIA)
ARLESA, (SPAIN)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BOCM Silcock Ltd., (ENGLAND)
Bunge Iberica S.A., (SPAIN)
Calgene Chemical, Inc., (U.S.A.)
Cargill, Inc., (U.S.A.)
Central Soya Company, Inc., (U.S.A.)
Cereol Deutschland GmbH, (GERMANY)
COGRA Lever S.A., (COLOMBIA)
Companhia Portuguesa de Azeites, (PORTUGAL)
Consorcio Oleaginoso Portuguesa S.A. (COPOSA), (VENEZUELA)
Conway Oil Company, (U.S.A.)
COPRONA S.A., (CHILE)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
DS Industries ApS, (DENMARK)
The Edible Oil Refining Company Ltd., (MALTA)
Ener-G Foods, Inc., (U.S.A.)
Etz-Hazayith Ltd., (ISRAEL)
Fabrica de Aceites la Favorita S. A., (ECUADOR)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)

Great Wall Enterprise Company Ltd., (TAIWAN)
Honeymead Products Company, (U.S.A.)
Industrial de Alimentos S.A., (MEXICO)
Industrias J. B. Duarte S.A., (BRAZIL)
Industrias Molturadoras S.A. (IMSA), (ARGENTINA)
Karlshamns AB, (SWEDEN)
Karlshamns USA Inc., (U.S.A.)
Lou Ana Foods, Inc., (U.S.A.)
Loveland Industries, Inc., (U.S.A.)
The Malwa Vanaspati & Chemical Company Ltd., (INDIA)
Marsa Margarin Sanayi A.S., (TURKEY)
National Flour Mills Ltd., (TRINIDAD & TOBAGO)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Osterreichische Unilever Ges.mbH, (AUSTRIA)
Penta Manufacturing Company, Inc., (U.S.A.)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Proteinas Basicas, S.A. de C.V., (MEXICO)
Proteinas Naturales, S.A. de C.V., (MEXICO)
Quincy Soybean Company of Arkansas, (U.S.A.)
Raision Tehtaat Oy Ab, (FINLAND)
SAIS, (SWITZERLAND)
Shemen Ind. Ltd., (ISRAEL)
Sociedad Iberica de Molturacion, S.A. (SIMSA), (SPAIN)
Sociedade Nacional de Saboes, Lda., (PORTUGAL)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Soon Soon Oilmills SDN BHD, (MALAYSIA)
Soya Mainz GmbH & Company Kommanditgesellschaft, (GERMANY)
Jacob Stern & Sons, Inc., (U.S.A.)
Thanakorn Vegetable Oil Products Company, Ltd., (THAILAND)
Townsends, Inc., (U.S.A.)
United Soya Products Ltd., (INDIA)
Van den Bergh Foods, (U.S.A.)
Vippy Solvex Products Ltd., (INDIA)
Watt's Alimentos S.A., (CHILE)

▼ SOYBEAN OIL, REFINED

Archer Daniels Midland Company, (U.S.A.) ..... Back Cover
A.D.M. Europoort B.V., (NETHERLANDS)
Aarhus Oliefabrik A/S, (DENMARK)
Abul Khair Vegetable Oil Industries Ltd., (BANGLADESH)
Aceites Industriales El Zapote, (MEXICO)
Aceites Vegetales Finos S.A. de C.V., (MEXICO)
Aceites y Proteias S.A. (ACEPROSA), (SPAIN)
Akzo Chemicals, (GERMANY)
Allana Oil Mills, (INDIA)
Alpine Solvex Limited, (INDIA)
Ambrosia Oils (1976) Ltd., (CYPRUS)
Anderson Clayton, (MEXICO)
Anupam Extractions Ltd., (INDIA)
ARLESA, (SPAIN)
Avicultores y Productores El Calvario S.A. de C.V. (APECSA), (MEXICO)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
Samuel Banner & Company Ltd., (ENGLAND)
BEOCO Limited, (ENGLAND)
Bhavnagar Vegetable Products Unit, (INDIA)
BOCM Silcock Ltd., (ENGLAND)
Bombay Extractions Ltd., (INDIA)
Brökelmann & Company, Oelmühle GmbH & Company, (GERMANY)
Bunge Iberica S.A., (SPAIN)
Buyatti S.A.I.C.A., (ARGENTINA)
Canada Packers, Inc., (CANADA)
Cargill Agricola S.A., (BRAZIL)
Cargill B.V., (NETHERLANDS)
Cargill España, S.A., (SPAIN)
Cargill, Inc., (U.S.A.)
Cargill UK Ltd., (ENGLAND)
Central Soya Company, Inc., (U.S.A.)
Cereol Deutschland GmbH, (GERMANY)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
CEREOL Italia S.r.l., (ITALY)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Colfax, Inc., (U.S.A.)
Colfax of Philadelphia, Inc., (U.S.A.)
Compania Industrial y de Abastecimientos S.A. (CINDASA), (SPAIN)
Compania Oleaginosa del Peru S.A. (COPSA), (PERU)
Compañia Panameña de Aceites, S.A., (PANAMA)
Consorcio Oleaginoso Portuguesa S.A. (COPOSA), (VENEZUELA)
Conway Oil Company, (U.S.A.)
COPRONA S.A., (CHILE)
CSP Foods Ltd., (CANADA)
A/S Denofa Og Lilleborg Fabriker, (NORWAY)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
P. Dumortier Freres, (FRANCE)
The Edible Oil Refining Company Ltd., (MALTA)
The Egyptian National Vegetable Oils Extraction Corp. (ENVOCO), (EGYPT)
Etz-Hazayith Ltd., (ISRAEL)
Fabrica de Aceites la Favorita S. A., (ECUADOR)
Fong-Mao Industries Company Ltd., (TAIWAN)
Foods Fats & Fertilisers Ltd., (INDIA)
Fuji Oil Company, Ltd., Han-nan Factory, (JAPAN)
Gardner Smith Pty. Ltd., (AUSTRALIA)
General Foods Limited, (INDIA)
Grasas Vegetales S.A. (GRAVETAL), (COLOMBIA)
Great Wall Enterprise Company Ltd., (TAIWAN)
Hidrogenadora Nacional, S.A. de C.V., (MEXICO)
Honen Corporation, (JAPAN)
Honeymead Products Company, (U.S.A.)
Les Huileries de Meknes, (MOROCCO)
INDO S.A., (ARGENTINA)
Industrial Enterprises Company Ltd., (THAILAND)
Industrials Lavador, C. Por A., (DOMINICAN REPUBLIC)
Industrias Ales C.A., (ECUADOR)
Industrias de Aceite S.A., (BOLIVIA)
Industrias J. B. Duarte S.A., (BRAZIL)
Italiana Olii & Risi S.p.A., (ITALY)
Izhar Industries (2000) Ltd., (ISRAEL)
Jamaica Soya Products Industries Limited, (JAMAICA)
Karlshamns AB, (SWEDEN)
Kraft Food Ingredients Corp., (U.S.A.)
Krishna Oil Extractions Ltd. (KOEL), (INDIA)
Kuwait Flour Mills Company, SAK, (KUWAIT)
Loders Croklaan B.V., (NETHERLANDS)
Lou Ana Foods, Inc., (U.S.A.)
M. P. Oil Extraction Ltd., (INDIA)
The Malwa Vanaspati & Chemical Company Ltd., (INDIA)
Marsa Margarin Sanayi A.S., (TURKEY)
Meadow Lea Foods, (AUSTRALIA)
Molinos Rio de la Plata S.A., (ARGENTINA)
National Flour Mills Ltd., (TRINIDAD & TOBAGO)
Nav Maharashtra Chakan Oil Mills, (INDIA)
Negociacion Industrial Santa Lucia S.A., (MEXICO)
Nikka Fats & Oils Company, Ltd., (JAPAN)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Noblee & Thoerl GmbH, (GERMANY)
O. & L. Sels, (GERMANY)
Oelmüehle Hamburg AG, (GERMANY)
Oleaginosas del Sureste S.A., (MEXICO)
Oleaginosas Españolas, S.A. (OESA), (SPAIN)
Oleica S.A., (ECUADOR)
Oliefabrieken Debeil N.V., (BELGIUM)
Olvebra Industrial S.A., (BRAZIL)
Osterreichische Unilever Ges.mbH, (AUSTRIA)
Oswal Agro Mills Ltd., (INDIA)
Paksoy Ticaret ve Sanayi AS, (TURKEY)
Pasir Gudang Edible Oils Sdn. Bhd., (MALAYSIA)
Patum Vegetable Oil Company, Ltd., (THAILAND)
Penta Manufacturing Company, Inc., (U.S.A.)
Perdue Farms, Inc., (U.S.A.)
Pokonobe Industries Inc., (CANADA)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Prestige Foods Limited, (INDIA)

Catch a rising star!



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CLOFINE DAIRY & FOOD PRODUCTS' spray-dried tofu and soymilk powders are the soyfood industry's rising stars!

Prized for their optimal nutritional and functional properties, tofu and soymilk powders are quickly replacing standard milk powder in a large number and wide variety of food applications such as tofu, silken tofu, ice creams, beverages, cheese products, snack foods and dairy and meat analogs.

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Quincy Soybean Company of Arkansas, (U.S.A.)
Raision Tehtaat Oy Ab, (FINLAND)
Riceland Foods, Inc., (U.S.A.)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
SAIS, (SWITZERLAND)
Shemen Ind. Ltd., (ISRAEL)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Showa Sangyo Company, Ltd., Tsurumi Factory, (JAPAN)
Shree Mansingka Oil Mills Ltd., (INDIA)
Shree Shiv Shakti Ghee Udyog Pvt. Ltd., (NEPAL)
Sociedad Aceitera del Oriente S.A. (SAO), (BOLIVIA)
Sociedad Iberica de Molturacion, S.A. (SIMSA), (SPAIN)
Sociedade Nacional de Saboes, Lda., (PORTUGAL)
Societe d'Exploitation Des Produits Oleagineux (SEPO), (MOROCCO)
Societe Industrielle des Oleagineux (SIO), (FRANCE)
Soon Soon Oilmills SDN BHD, (MALAYSIA)
Soya Mainz GmbH & Company Kommanditgesellschaft, (GERMANY)
STAR Stabilimento Alimentare S.p.A., (ITALY)
Swaika Oil Mills, (INDIA)
Thanakorn Vegetable Oil Products Company, Ltd., (THAILAND)
C. Thywissen GmbH, (GERMANY)
Townsends, Inc., (U.S.A.)
Toyo Oil Mills Company, Inc., (JAPAN)
Tri-Star Soya Products Ltd., (INDIA)
United Soya Products Ltd., (INDIA)
Van den Bergh Foods, (U.S.A.)
N. V. Vandemoortele, (BELGIUM)
Vegetable Oils (Nigeria) Ltd., (NIGERIA)
Vippy Solvex Products Ltd., (INDIA)
Vishwa Oil Products, Ltd., (INDIA)
Watt's Alimentos S.A., (CHILE)
Sam Yang Oil & Feed Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Yoshihara Oil Mill, Ltd., (JAPAN)

▼ SOYBEANS

(See Page 134)

▼ SOYFOODS

(See COOKING/SALAD OIL; ISOLATED SOY PROTEINS; MISO; NONDAIRY FROZEN DESSERTS; SALAD DRESSING; SIMULATED MEAT PRODUCTS (ANALOGS); SOY FLAKES (FULL FAT); SOY FLOUR; SOY FLOUR, FULL FAT; SOY FLOUR, TEXTURED; SOY FIBER; SOY GRITS; SOY PROTEIN CONCENTRATES; SOY SAUCE; SOY-BASED FOODS; OTHER; SOYBEAN OIL MARGARINE; SOYBEAN OIL PRODUCTS, EDIBLE; SOYBEAN OIL SHORTENING; SOYBEAN OIL, REFINED; SOYMILK, DRINKS OR BEVERAGES; SOYMILK, SPRAY-DRIED; SOYNUTS; TEMPEH; TOFU & TOFU PRODUCTS; TOFU, SPRAY-DRIED)

▼ SOYMILK, DRINKS OR BEVERAGES

Clofine Dairy & Food Products, Inc., (U.S.A.) ..... **P. 49, 54**
Minnesota Waxy, (U.S.A.) ..... **P. 55**
Alimentos de Soja S.A., (ARGENTINA)
Alpro N.V., (BELGIUM)
American Soy Products, (U.S.A.)
Asahi Industries Company, Ltd., (JAPAN)
Ashland Soy Works, (U.S.A.)
Berrydales Ltd., (ENGLAND)
Biotrek S.A., (GREECE)
Bountiful Bean, (U.S.A.)
CACOJA, (FRANCE)
Central Soyfoods, (U.S.A.)
Charlie Lin's "Vitalite" Foods, (U.S.A.)
Country Farmhouse Soya Products, (JAMAICA)
Dr. Chung's Foods Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Eden Foods, Inc., (U.S.A.)
Ener-G Foods, Inc., (U.S.A.)
Energe S.A., (BRAZIL)
Farina Limited, (NIGERIA)
The Food Plant, (U.S.A.)
Fraser & Neave (Singapore) Pte. Ltd., (SINGAPORE)
Galactina Ltd., (SWITZERLAND)
Goods Inc./Mainland Oriental Express, (U.S.A.)
Green Spot (Thailand) Ltd., (THAILAND)
Haldane Foods Ltd., (ENGLAND)
House Foods & Yamauchi, Inc., (U.S.A.)
Indovita Proteins (P) Ltd., (INDIA)
Industrial de Alimentos S.A., (MEXICO)
Interfood Deutschland GmbH, (GERMANY)
Island Spring, Inc., (U.S.A.)
Kibun Food Chemifa Company, Ltd., (JAPAN)
Liga Mexico Panamericana Medico Educacional A.G., (MEXICO)
Lucas Meyer, Inc., (U.S.A.)
Marusan-Ai Company, Ltd., (JAPAN)
Mighty Soy, Inc., (U.S.A.)
Miller Farms Food Company, Inc., (U.S.A.)
Mitoku Company Ltd., (JAPAN)
Mitsubishi Chemical Industries, Ltd., (JAPAN)
Nasoya Foods, (U.S.A.)
Nestle, S.A. de C.V., (MEXICO)
Nestle (Thailand) Ltd., (THAILAND)
The Nisshin Oil Mills, Ltd. , (JAPAN)
Olvebra Industrial S.A., (BRAZIL)
Pacific Foods, (U.S.A.)
Premier Industries (India) Ltd., (INDIA)
Premier Products/American Soy Dairy, (U.S.A.)
President Enterprises Corp., (TAIWAN)
Productora Costarricense de Alimentos, (COSTA RICA)
Protein Research Associates, (U.S.A.)
Purina Protein de Mexico, S.A. de C.V., (MEXICO)
Quong Hop & Company, (U.S.A.)
P. T. Salim Graha, (INDONESIA)
Sam Sung Foods Inc., (U.S.A.)
SOJADOC, (FRANCE)
Sovex Natural Foods, Inc., (U.S.A.)
Soy Food Centre, (INDIA)
Soy Power Company, Inc., (U.S.A.)
Spring Creek Natural Foods, (U.S.A.)
Summercorn Foods, Inc., (U.S.A.)
Surata Soyfoods, Inc., (U.S.A.)
The Tata Oil Mills Company Ltd., (INDIA)
The Tofu Shop Specialty Foods Company, (U.S.A.)
Tofukost-Werk TKW GmbH, (GERMANY)
Virginia Soyworks, (U.S.A.)
The Vitasoy International Holdings Ltd., (HONG KONG)
Vitasoy (USA) Inc., (U.S.A.)
White Wave, Inc., (U.S.A.)
Worthington Foods, Inc., (U.S.A.)
Yaupon Soyfoods, (U.S.A.)
Yeo Hiap Seng Ltd., (SINGAPORE)
Yeo Hiap Seng (M) BHD, (MALAYSIA)

▼ SOYMILK, SPRAY-DRIED

Clofine Dairy & Food Products, Inc., (U.S.A.) ..... **P. 49, 54**
Minnesota Waxy, (U.S.A.) ..... **P. 55**
Natural Health & Nutrition Center, (U.S.A.)
Nestle, S.A. de C.V., (MEXICO)
Purina Protein de Mexico, S.A. de C.V., (MEXICO)
SPRAYLAC S.R.L., (ARGENTINA)
Swan Gardens, Inc., (U.S.A.)

▼ SOYNUTS

CACOJA, (FRANCE)
INARI, Ltd. (International Nutrition & Resources, Inc.), (U.S.A.)

Indovita Proteins (P) Ltd., (INDIA)
Interfood Deutschland GmbH, (GERMANY)
La Soyarie, Inc., (CANADA)
Lee Seed Company, Inc., (U.S.A.)
Marusan-Ai Company, Ltd., (JAPAN)
Solnuts B.V., (NETHERLANDS)
Solnuts, Inc., (U.S.A.)
Sonne, Inc., (U.S.A.)
Specialty Grain Company, (U.S.A.)
Stern-Chemie, (GERMANY)

▼ SPRAY-DRIED SOYMILK
(See SOYMILK, SPRAY-DRIED)

▼ SPRAY-DRIED TOFU
(See TOFU, SPRAY-DRIED)

▼ TEMPEH
Betsy's Tempeh, (U.S.A.)
Bountiful Bean, (U.S.A.)
Central Soyfoods, (U.S.A.)
Cricklewood Soyfoods, (U.S.A.)
De Hobbit, (BELGIUM)
Full of Beans, (ENGLAND)
Homestyle Foods, (U.S.A.)
Lightlife Foods, Inc., (U.S.A.)
Marusan-Ai Company, Ltd., (JAPAN)
Natural Pacific Tofu, (U.S.A.)
Noble Bean, (CANADA)
Northern Soy, (U.S.A.)
Nutrisoy Pty. Ltd., (AUSTRALIA)
Quong Hop & Company, (U.S.A.)
Santa Fe Tempeh, (U.S.A.)
Soy Power Company, Inc., (U.S.A.)
Summercorn Foods, Inc., (U.S.A.)
Surata Soyfoods, Inc., (U.S.A.)
Torigoe Flour Milling Company, Ltd., (JAPAN)
Turtle Island Foods, (U.S.A.)
White Wave, Inc., (U.S.A.)
Yaupon Soyfoods, (U.S.A.)
Zuaitzo Proteinas Vegetales, (SPAIN)

▼ TEXTURED SOY FLOUR
(See SOY FLOUR, TEXTURED)

▼ TOCOPHEROLS
(See SOY STEROLS & TOCOPHEROLS)

▼ TOFU & TOFU PRODUCTS
Clofine Dairy & Food Products, Inc., (U.S.A.) ..... **P. 49, 54**
Minnesota Waxy, (U.S.A.) ..... **P. 55**
Aloha Tofu Factory Inc., (U.S.A.)
American Pride Soyfoods, Inc., (U.S.A.)
Aros Sojaprodukter AB, (SWEDEN)
Asahi Industries Company, Ltd., (JAPAN)
Ashland Soy Works, (U.S.A.)
Azumaya Inc., (U.S.A.)
Bountiful Bean, (U.S.A.)
CACOJA, (FRANCE)
Cauldron Foods Ltd., (ENGLAND)
Cemac Foods Corporation, (U.S.A.)
Central Soyfoods, (U.S.A.)
Charlie Lin's "Vitalite" Foods, (U.S.A.)
Country Farmhouse Soya Products, (JAMAICA)
Energy Sprouts & Texas Tofu, (U.S.A.)
The Food Plant, (U.S.A.)
Fraser & Neave (Singapore) Pte. Ltd., (SINGAPORE)
Fresh Tofu Inc., (U.S.A.)
Fuji Oil Company, Ltd., Kobe Factory, (JAPAN)
Full of Beans, (ENGLAND)
Galactina Ltd., (SWITZERLAND)
Goods Inc./Mainland Oriental Express, (U.S.A.)
Haldane Foods Ltd., (ENGLAND)
Heuschen-Schrouff B.V., (NETHERLANDS)
Homestyle Foods, (U.S.A.)
House Foods & Yamauchi, Inc., (U.S.A.)
Houston Calco Inc., (U.S.A.)
Indovita Proteins (P) Ltd., (INDIA)
Island Spring, Inc., (U.S.A.)
JFC International Inc., (U.S.A.)
Kapaa Poi Factory, (U.S.A.)
La Soyarie, Inc., (CANADA)
Lecanto Tofu Shop, (U.S.A.)
Litetrends, (U.S.A.)
Marusan-Ai Company, Ltd., (JAPAN)
Mighty Soy, Inc., (U.S.A.)
Mitoku Company Ltd., (JAPAN)
Morinaga Nutritional Foods, Inc., (U.S.A.)
Nasoya Foods, (U.S.A.)
Natural, Inc., (U.S.A.)
Natural Pacific Tofu, (U.S.A.)
Northern Soy, (U.S.A.)
Nutrisoy Pty. Ltd., (AUSTRALIA)
Ota Tofu Company, (U.S.A.)
Panda Food Products, Inc., (U.S.A.)
Quong Hop & Company, (U.S.A.)
Rosewood Products Inc., (U.S.A.)
Sam Sung Foods Inc., (U.S.A.)
The Simple Soyman, (U.S.A.)
Société Soy, (FRANCE)
SOJADOC, (FRANCE)
Sovex Natural Foods, Inc., (U.S.A.)
Soy Food Centre, (INDIA)
Soy Power Company, Inc., (U.S.A.)
Soyfoods of America, (U.S.A.)
Spring Creek Natural Foods, (U.S.A.)
Summercorn Foods, Inc., (U.S.A.)
Surata Soyfoods, Inc., (U.S.A.)
The Tofu Shop Specialty Foods Company, (U.S.A.)
Tofukost-Werk TKW GmbH, (GERMANY)
Tree of Life, Inc., (U.S.A.)
Tumaros, Inc., (U.S.A.)
Virginia Soyworks, (U.S.A.)
White Wave, Inc., (U.S.A.)
Worthington Foods, Inc., (U.S.A.)
Yaupon Soyfoods, (U.S.A.)
Yeo Hiap Seng Ltd., (SINGAPORE)
Zuaitzo Proteinas Vegetales, (SPAIN)

▼ TOFU
(See TOFU & TOFU PRODUCTS)

▼ TOFU, SPRAY-DRIED
Clofine Dairy & Food Products, Inc., (U.S.A.) ..... **P. 49, 54**
Minnesota Waxy, (U.S.A.) ..... **P. 55**
Pacific Foods, (U.S.A.)
Swan Gardens, Inc., (U.S.A.)

▼ WHITE FLAKES FOR EDIBLE PURPOSES
Archer Daniels Midland Company, (U.S.A.) ..... **Back Cover**
SAMRIG S.A., (BRAZIL) ..... **P. 37**
Ag Processing Inc, (U.S.A.)
Allana Oil Mills, (INDIA)
Alpine Solvex Limited, (INDIA)
Cargill B.V., (NETHERLANDS)
Cheil Food & Chemical Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
COPRONA S.A., (CHILE)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
Fuji Oil Company, Ltd., Kobe Factory, (JAPAN)
Gardner Smith Pty. Ltd., (AUSTRALIA)
Honeymead Products Company, (U.S.A.)
Industria e Comercio de Oleos Vegetais S.A. (OLVEBRA), (BRAZIL)
Industrial de Alimentos S.A., (MEXICO)
Izhar Industries (2000) Ltd., (ISRAEL)
Loders Croklaan B.V., (NETHERLANDS)
Nav Maharashtra Chakan Oil Mills, (INDIA)
The Nisshin Oil Mills, Ltd. , (JAPAN)
La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A., (MEXICO)
Premier Industries (India) Ltd., (INDIA)
Showa Sangyo Company, Ltd., Kashima Factory, (JAPAN)
Showa Sangyo Company, Ltd., Kobe Factory, (JAPAN)
Toyo Oil Mills Company, Inc., (JAPAN)
United Soya Products Ltd., (INDIA)
Vippy Solvex Products Ltd., (INDIA)
Yoshihara Oil Mill, Ltd., (JAPAN)

▼ WHOLE SOYBEAN SNACKS
(See SOYNUTS)

— Notes / Address Changes —

Soybean Processors and Manufacturers of Soy-Based Products

Catalog Pages — Alphabetical By Company

SPECIALTY SOYA PRODUCTS *from*

CLOFINE

DAIRY & FOOD PRODUCTS, INC.

Since 1982, Clofine Dairy & Food Products, Inc. has been a pioneer in the world's soyfood industry, being one of the first companies to commercially produce and sell spray-dried soymilk and tofu for use as a dairy substitute ingredient.

SPRAY-DRIED TOFU • SPRAY-DRIED SOYMILK
LOW-FAT SPRAY-DRIED TOFU • HIGH SOLUBILITY SOYMILK

PRODUCT:		LOW-FAT SPRAY-DRIED TOFU	HIGH SOLUBILITY SOYMILK	SPRAY-DRIED TOFU	SPRAY-DRIED SOYMILK
SPECIFICATION:		TF-7	HS-1	TF-10	TF-30
ANALYTICAL:	Fat:	2.0% max.	14.0% ± 2%	19.0% ± 2%	17.0% ± 2%
	Protein:	53.0% ± 2.0	41.0% ± 2%	39.0% ± 2	39% ± 2%
	Ash:	7.0% max.	5.0% ± 1%	4.9% max.	4.5% ± 2%
	Carbohydrate:	36.0% ±	32.0% ± 2%	31.0% ± 2	36.0% ± 2%
	Moisture:	4.0% max.	5.0% max.	3.0% max.	3.0% max.
PHYSICAL:	pH:	6.8 ± .2	6.6 ± .2	6.2 ± .1	6.8 ± .1
	Sodium	4.10 mg./100 g.	2.0 mg./100 g.	4.35 mg./100 g.	2.0 mg./100 g.
	Calcium	500 mg./100 g.	200 mg./100 g.	416 mg./100g.	200 mg./100 g.
	P.D.I.		98% ± 1		
	Color:	cream	cream	cream-light tan	cream
	Flavor:	bland	bland	bland, similar to wet curd	bland
BACTERIOLOGICAL:	Standard Plate Count/g:	30,000 max.	20,000 max.	30,000 max.	30,000 max.
	Coliform/g:	10 max.	Less than 10 g.	10 max.	10 max.
	Yeast & Mold/g:	20 max.	50 g. max	20 max.	10 max.
	Salmonella	Negative	Negative	Negative	Negative
PACKAGING:		50 lb. poly-lined kraft bags	50 lb. poly-lined boxes	50 lb. poly-lined kraft bags	50 lb. poly-lined kraft bags
APPLICATIONS:		Nutritional formulations, calorie-reduced products, low-fat systems.	Wherever you would use fresh soymilk. For making tofu, soy cheese, soy yogurt soymilk drinks.	Frozen desserts, salad dressing, baked goods. Functional replacement for high heat, nonfat dry milk.	Economical, general all purpose soymilk powder

All products are Kosher Parve

To get more information, or to receive samples, contact:

CLOFINE
DAIRY & FOOD PRODUCTS, INC.
1407 New Road
P.O. Box 335
Linwood, NJ 08221
U.S.A.

In the U.S.
***Call* 1-800-441-1001**

Phone: 609-653-1000
Fax: 609-653-0127

SOY SUPREME SOY POWDER

SPRAY DRIED SOYMILK/TOFU

Products Manufactured from Whole Soybeans

PRODUCT DESCRIPTION:

Soy Supreme Soy Powder is produced from choice, carefully selected whole soybeans. It is characterized by high solubility and is essentially without soy flavor. Enzymes and anti-nutritional factors are inactivated while protein, lecithin and polyunsaturated fats of the soybeans are retained.

Soy Supreme Soy Powders are described as a stabilized highly soluble vegetable counterparts to whole milk*. They are an ideal ingredient for making soy drinks*, frozen desserts, puddings, yogurt, custards, bakery items and related food products that require stable, high quality protein and unsaturated fat. Soy Supreme Soy Powders are excellent ingredients for the replacement of egg and dairy solids in many foods formulations due to their unique emulsification and absorption properties.

MANUFACTURING:

Soy Supreme Spray Soy Powders are manufactured by the "hot break" process. They are produced in accordance with Good Manufacturing Practices as established under the United States Food, Drug and Cosmetic Act. Soy Supreme Soy Powder is Kosher and Pareve approved.

TYPICAL ANALYSIS:	Regular	Fiber-Reduced
1. Protein% (N x 6.25) as is	39.0 ± 2.0	41.0 ± 2.0
2. Fat%	18.0 ± 2.0	18.0 ± 2.0
3. Mineral%	6.0, maximum	6.0, maximum
4. Carbohydrate-Total%	33.0, typical	30.0, typical
a. Fiber%	4.0, typical	1.0, typical
b. Carbohydrate-available%	29.0, typical	29.0, typical
5. Moisture	4.0, typical	4.0, typical
6. pH (10% solution)	7.1 ± 0.2	7.1 ± 0.2

MICROBIOLOGICAL DATA:

1. Standard Plate Court	30,000/gm, maximum
2. Salmonella & E. Coli (by test)	Negative
3. Coliform	Less than 10/gm, maximum
4. Yeast & Mold	50/gm, maximum

PACKAGING:

50 pound multi-wall kraft paper with poly liner.

MINNESOTA WAXY
MWCG EXPORT COMPANY
P. O. BOX 128, HOPE, MINNESOTA 56046
Phone (507) 451-3316 (800) 342-6976
Fax (507) 451-2910

MicroSoy flakes:™ The Next Millennium

Is *MicroSoy flakes*™ the wave of the future? You be the judge:

	THE PAST *(Ordinary Soybeans)*	THE FUTURE *(MicroSoy flakes™)*
Washing?	YES	NO
Rinsing?	YES	NO
Soaking?	YES	NO
Grinding?	YES	NO
Blade Changing?	YES	NO
Sanitize Millstones?	YES	NO
Excess Waste Water Disposal?	YES	NO
Increased Yields?	NO	YES
Increased Shelf Life?	NO	YES
Decreased Downtime?	NO	YES
Requires Less Machinery?	NO	YES
Saves Plant Floor Space?	NO	YES
Available in: OCIA-organic?	YES	YES
Better-Life™?	YES	YES
Non-organic?	YES	YES

If you feel that washing, rinsing, soaking, grinding and blade changing are the way you want to do business, then you should stay with ordinary soybeans. But if you'd like to eliminate all those expensive headaches while *increasing your yields* in the manufacture of tofu and soy milk, then you should take a closer look at the future.

For a **FREE** *MicroSoy flakes*™ sample to test in your own plant, plus a FREE 10 minute *MicroSoy flakes*™ video, please call Al Richardson or Pamela Ochoa at (213) 791-0010. Or fax them at (213) 791-0018. They'll be glad to send you a *MicroSoy flakes*™ sample, at absolutely no cost to you. So you can be the judge.

nichii company of america, inc.

MYCAL GROUP

Soybean Processors and Manufacturers of Soy-Based Products

Yellow Pages — Company Listings, A-Z, By Country

COUNTRY INDEX

Argentina 58
Australia 58
Austria 59
Bahrain 59
Bangladesh 59
Belgium 59
Bolivia 60
Brazil 60
Canada 61
Chile 62
Colombia 62
Costa Rica 63
Cyprus 63
Denmark 63
Dominican Republic 63
Ecuador 63
Egypt 64
England 64
Finland 65
France 65
Germany 66
Greece 68
Guatemala 68
Hondurus 68
Hong Kong 68
India 68
Indonesia 71
Ireland 71
Israel 71
Italy 72
Jamaica 72
Japan 73
Korea, Republic of (South Korea) 74
Kuwait 75
Malaysia 75
Malta 76
Mexico 76
Morocco 78
Nepal 78
Netherlands 78
Netherlands Antilles 79
New Zeland 79
Nicaragua 79
Nigeria 80
Norway 80
Pakistan 80
Panama 80
Peru 80
Portugal 81
Saudi Arabia 81
Scotland 81
Singapore 81
South Africa 81
Spain 82
Sweden 83
Switzerland 83
Taiwan 83
Thailand 84
Trinidad & Tobago 84
Turkey 84
United States of America (U.S.A.) 85
Venezuela 96
Yugoslavia 96
Zambia 96

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner
SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products
★ Updated Listing
★★ New Listing

ARGENTINA

Aceitera General Deheza S.A. ★ *C SF*

Affiliate of Aceitera Chabas S.A.
MAIN OFFICE: Moreno 149, P.O. Box 16, General Deheza 5923, Córdoba, ARGENTINA; PH: 54/586/95-022 or 95-067; FAX: 54/586/95-520; TLX: 54501 or 54589.
Other Offices: Capital Federal, Buenos Aires, ARGENTINA (Sales Office)
CONTACT: Adrian A. Urquia, Man. Dir.
Solvent extraction; crush cap. 1,600MT/day; storage cap. 600,000MT; animal/livestock feed, crude degummed soybean oil; served by rail, ship and truck. CONTACT: Margarita Fernandez. **Lecithin (edible grade) in bulk (200 kg drums).**

Alimentos de Soja S.A. *SF*

Suipacha 570, 3rd floor, Buenos Aires 1008, ARGENTINA; PH: 393/1248-0336; TLX: 28035 (EAPMSA AR).
CONTACT: Ricardo Shaw, Mkt.
Soy fiber; soyfoods, soymilk, drinks or beverages.

Buyatti S.A.I.C.A. *C R*

MAIN OFFICE: Belgrano 1442, Reconquista 3560, Santa Fe, ARGENTINA; PH: 0776/21353; TLX: 48188 (BUYAT AR).
Other Offices: San Martin, Santa Fe, ARGENTINA
CONTACT: Raul F. Venetucci, Ing. QCO.
Solvent extraction; crush cap. 1100MT/day; storage cap. 40,000MT; crude degummed soybean oil, meal; served by barge, rail and truck. Refining cap. 120MT/day; storage cap. 10,000 MT; refined soybean oil; served by truck, rail and barge.

Buyatti S.A.I.C.A. *C*

Belgrano S/N, PTO San Martin, Santa Fe, ARGENTINA; PH: 0476/23999.
CONTACT: Raul F. Venetucci, Ing. QCO.
Solvent extraction; crush cap. 2000MT/day; storage cap. 45,000MT; crude degummed soybean oil, meal; served by barge, rail, ship and truck.

Cargill S.A. *C R*

Av. L.N. Alem 928, Buenos Aires 1001, ARGENTINA; PH: 54/1/313-4384; FAX: 54/1/313-4111.
CONTACT: Hector Marsili
Solvent extraction; crush cap. 3,600MT/day; meal; served by ship. Crude degummed soybean oil, crude soybean oil; served by ship.

Compania Continental S.A.

Affiliate of Continental Grain Co., USA
MAIN OFFICE: Ave. Eduardo Madero 942, Buenos Aires 2206, ARGENTINA; PH: 54/1/312-5601; FAX: 54/1/313-7219; TLX: 390-22372 (CONT AR).
Other Offices: Chivilcoy (mfg.)
CONTACT: Fernando O. DeRoa, Gen. Country Mgr.

Compania Continental S.A. *C R*

Ruta 5, Km. 160, Chivilcoy 6620, ARGENTINA; PH: 011/541/312-5601; TLX: 390-22372 (CONT AR).
CONTACT: Diego Barbero
Solvent extraction; crush cap. 750MT/day; storage cap. 75,000MT; crude degummed soybean oil; served by truck. Refining storage cap. 8,800MT; crude degummed soybean oil; served by truck.

INDO S.A. *C R SF IP*

Reconquista 458, Piso 15º, Buenos Aires 1358, ARGENTINA; PH: 5411/2385-1589; TLX: 24085-9105-24283 (LAPCE AR).
CONTACT: Jorge O. Fernandaz, Pres.
Crush cap. 1,700MT/day; storage cap. 90,000MT; meal; served by barge, rail, ship and truck. CONTACT: Esteban Zombory. **Refining cap. 60MT/Day; storage cap. 27,000MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck, rail, barge and ship. CONTACT:** Rueben Rodriguez. **Lecithin (edible grade) in bulk and 200ks iron drums. Lecithin (industrial grade) in bulk and 200ks iron drums. CONTACT:** Jorge Barthes.

Industrias Molturadoras S.A. (IMSA) *C SF IP*

Roca esquina Cuba, Casilla de Correo 50, Pto. Gral, San Martin 2202, ARGENTINA; PH: 0476/22635 or 0476/23073; TLX: 49615 (IMSA).
Solvent extraction; crush cap. 2,000MT; storage cap. 60,000MT; crude degummed oil, crude oil, edible soy oil products, meal; served by barge, rail, truck and ship. Soy flour. Lecithin (industrial grade); soy oil (industrial grade).

Molinos Rio de la Plata S.A. *C R SF*

Paseo Colon 746, Piso 3, Buenos Aires 1323, ARGENTINA; PH: 54/1/331-3002 or 3003; FAX: 54/1/30-4439; TLX: 22270 (MRPSA AR).
Other Offices: Avellaneda, Provincia de Buenos Aires (mfg.); Puerto Vilelas, Chaco (mfg.)
CONTACT: Juan D. Protto, Div. Mgr.
Continuous screw press, solvent extraction; crush cap. 2,800MT/day; storage cap. 160,000MT; crude degummed soybean oil, meal; served by ship and truck. Refining cap. 800MT/day; storage cap. 30,000MT; edible soy oil products, refined soybean oil. Soy oil products, cooking/salad oil; margarine; salad dressing; shortening.

SPRAYLAC S.R.L. *SF*

Av. Aristóbulo del Valle 7090, Santa Fe 3000, Santa Fe, ARGENTINA; PH: 54/42/60126; FAX: 52/42/50096; TLX: 48204 (MASA AR).
CONTACT: Rubén D. Roa, Export Dir.
Soyfoods, spray-dried soymilk.
CONTACT: Ruben D. Roa, Export Dir.

Tankay S.A. *C*

Casilla de Corbeo Nº35, P.O. Box 2136, San Geronimo, Santa Fé, ARGENTINA; PH: 041/45688 or 63354 or 961408 or 932470; TLX: 41972 (TNKAY AR).
CONTACT: Hector C. Autino, Operations Mgr.
Solvent extraction; crush cap. 1,200MT/day; storage cap. 70,000MT; crude degummed soybean oil, meal; served by barge, rail.

AUSTRALIA

Cargill Oilseeds Australia

G.P.O. 58A, Melbourne 3001, AUSTRALIA; PH: 61/3/267-7077; TLX: 31140.
CONTACT: Ralph Selwood, Mkt. Mgr.
Other Offices: West Footscray, Victoria (Cagrill Processing Ltd.); Queensland (Queensland Oilseed Crushers Pty. Ltd.)

Cargill Processing Ltd. *C R*

Affiliate of Cargill Oilseeds Australia
425 Somerville Road, West Footscray 3012, Victoria, AUSTRALIA; PH: 61/3/314-0933; TLX: 30875.
CONTACT: John Spence
Solvent extraction; crush cap. 400MT/day; storage cap. 8,000MT; meal; served by truck. Refining cap. 70MT/day; storage cap. 4,000MT; crude degummed soybean oil; served by truck.

Fielder Ralston Proteins Pty. ★ *SF*

Affiliate of Protein Technologies International
335 Plummer Street, Port Melbourne 3207, Victoria, AUSTRALIA; PH: 61/3/646-6300; FAX: 61/3/646-6601; TLX: 33218 (FELDA AA).
Other Offices: Leichhardt, AUSTRALIA
CONTACT: J. Michael Rudd, Man. Dir.
SUPRO isolated soy proteins; FIBRIM soy fiber.

Gardner Smith Pty. Ltd. *C R SF IP*

P.O. Box 606, Neutral Bay Junction 2089, N.S.W., AUSTRALIA; PH: 02/909-2222; FAX: 02/909-8340 or 8691; TLX: (AA) 120824.
CONTACT: Peter Shearman, Veg. Oil Mgr.
Continuous screw press; crush cap. 100MT/day; animal/livestock feed, crude degummed soybean oil, hulls, meal, white flakes for edible purposes; served by ship & truck. Refining cap. 50MT/day; storage cap. 8,000MT; crude degummed soybean oil, industrial oil products; refined soybean oil; served by truck. Soy fiber; soy flour; full fat soy flour; soy grits. Full fat soy flour/soy protein (industrial grade); soy oil (industrial grade).

Meadow Lea Foods ★ *R SF*
Affiliate of Goodman Fielder Wattie Ltd.
514 Gardeners Road, Mascot 2020, NSW, AUSTRALIA; PH: 61/02/693-6398; FAX: 61/02/669-6973; TLX: 120540 (MEDLEA).
CONTACT: Warren Burden, Gen. Mgr., Supply
PLANT SUPERINTENDENT: Roy Taylor
Refining cap. 900MT/day; storage cap. 3,000MT (nationally); crude degummed soybean oil, edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. Soy oil products, GOLD'N CANOLA, MEADOW LEA, MRS. MCGREGORS, ETA, MEADOW LEA LITE margarine; shortening (various brands).

Nutrisoy Pty. Ltd. ★ *SF*
255 Forest Road, Amcliffe 2205, N.S.W., AUSTRALIA; PH: 61/2/597-4120.
CONTACT: Tony Wondal, Man. Dir.
Soyfoods, NUTRISOY tempeh; NUTRISOY tofu; other soy-based foods, NUTRISOY tempeh burger.

Pronto Pty. Ltd./Riverland Oilseed Processors *C SF*
46-50 McDonald Street, P.O. Box 177, Numurkah 3636, Victoria, AUSTRALIA; PH: 058-621666; FAX: 058-622391.
CONTACT: Rob Richardson, Plant Mgr.
PLANT SUPERINTENDENT: Rob Richardson
Continuous screw press; crush cap. 60MT/day; storage cap. 2,200MT; animal/livestock feed, crude degummed soybean oil; served by rail and truck. Soy fiber; soy flour; full fat soy flour.

Queensland Oilseed Crushers Pty. Ltd. *C R*
Affiliate of Cargill Oilseeds Australia
59-85 Antimony Street, Queensland 4300, AUSTRALIA; PH: 61/7/271-1766; TLX: 43619 (QOL AA).
CONTACT: Geoff Armstrong
Solvent extraction; meal; served by truck and ship. Crude degummed soybean oil; served by truck and ship.

Riverland Oilseed Processors Pty. Ltd. ★★ *C SF IP*
P.O. Box 177, Numurkah 3636, Victoria, AUSTRALIA; PH: 61/58/621-666.
CONTACT: Gavyn Anderson, Gen. Mgr.
PLANT SUPERINTENDENT: Len Connor
Continuous screw press; crush cap. 60MT/day; storage cap. 500MT; animal/livestock feed, crude degummed soybean oil, meal; served by truck. NATURE'S FAMILY full fat soy flour (enzyme active); soy oil products, cooking/salad oil; margarine. Soy flour/soy protein (industrial grade) for livestock feed.

AUSTRIA

Osterreichische Unilever Ges.mbH ★ *R SF IP*
Affiliate of Unilever N.V. Rotterdam
Schenkenstraße 8-10, Vienna 1010, AUSTRIA; PH: 0043/222/53119-500; FAX: 43/222/533-5173; TLX: 114080 or 115083.
Other Offices: Klagenfurt, Vienna, AUSTRIA
CONTACT: H. M. Müller, Chman.
Hydrogenated soy oil, refined soybean oil; served by rail and truck. Soy oil products, cooking/salad oil; salad dressing. Soy oil (industrial grade).

BAHRAIN

Delmon Poultry Company *C*
P.O. Box 20535, Manama, BAHRAIN; PH: 0973/727690 or 631530; FAX: 632426; TLX: 9669 (DEPCO BN).
CONTACT: J. Halwachi, Gen. Mgr.
Animal/livestock feed.

BANGLADESH

Abul Khair Vegetable Oil Industries Ltd.
MAIN OFFICE: Dhaka Trunk Road, Pahartali, Chittagong, BANGLADESH; PH: 500248 or 502991.
Other Offices: Chittagong
CONTACT: Serajul Hoque, Accts. Officer

Abul Khair Vegetable Oil Industries Ltd. *R*
7/8, Nasirabad Industrial Area, G.P. Box 613, Chittagong, BANGLADESH; PH: 212095.
CONTACT: Serajul Hoque, Accts. Officer
Refining cap. 18MT/day; storage cap. 1,000MT; hydrogenated soy oil, refined soybean oil; served by truck and ship.
CONTACT: Sales Office.

M. Hocbib Oil Mills (BD) Ltd. *R*
233A 15 (Old) Dhanmondi Residential Area, Dhaka, BANGLADESH; PH: 311-209 or 317-405.
CONTACT: Abdur R. Sarker, Secy.
Refining cap. 30MT/day; crude degummed soybean oil; served by truck.

BELGIUM

Alpro N.V. ★ *SF*
Vlamingstraat 28, Wevelgem 8560, West-Flanders, BELGIUM; PH: 056/432211; FAX: 056/432299; TLX: 86222 (ALPRO B).
CONTACT: Philippe Vandemoortele, Man. Dir.
Soyfoods, ALPRO, PROVAMEL and SUNSOY soymilk, drinks or beverages in 1 liter, 0.5 liter and 0.25 liter sizes.

De Hobbit ★ *SF*
Nijverheidslaan 9, Maldegem B-9990, BELGIUM; PH: 32/50/717020; FAX: 32/50/717212.
CONTACT: Eric Dewilde, Gen. Mgr.
Simulated meat products (analogs) based on tempeh fermentation; soyfoods, tempeh, fresh, pasteurized, steril, smoked; other soy-based foods, paté; salads; burgers.

Goorden N.V. ★ *SF*
Melkerijstraat 1, Schoten 2900, BELGIUM; PH: 32/3/324-3835; FAX: 32/3/324-3838; TLX: 31394 (GORDEN B).
CONTACT: Daniel Lips, Dr. in Biochem.
LECINA lecithin (edible grade); SOYPROT isolated soy proteins; GICSOY 0, GICSOY 1 soy flour; GICSOY 20, DIAGIC full fat soy flour; GICTINE, SOYA KB textured soy flour; SOYA TSB soy fiber; GICSOY GRITS soy grits.

Lucas Meyer N.V. ★ *C R SF IP*
Affiliate of Lucas Meyer GmbH & Co., Hamburg
Industrieterrein De Bruwaan, 5A, B-9700 Oudenaarde, BELGIUM; PH: 32/55/317811; FAX: 32/55/319264; TLX: 86138 (MEYER B).
Other Offices: Campinas, BRAZIL; Chester, ENGLAND; Le Blanc Mesnil, Cedex, FRANCE; Hamburg, FEDERAL REPUBLIC OF GERMANY; Vigonza, ITALY; Zaandaui, NETHERLANDS; Barcelona, SPAIN; Decatur, IL
CONTACT: Marc Aelvout, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy protein; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN, EMULTHIN, EPICHOLIN, and EPIKURON lecithins (edible grade); SOVITAL soy bran; NURAFLAKES full fat soy flakes; SOYAMIN 50 soy flour; SOYAPAN and NURUPAN full fat soy flours; NURUGRAN full fat soy grits; SOYOCO full fat soy kernels; NURULAT full fat soy powder; VEGAFOOM soy protein (whipping); TEXTRATEIN textured soy protein; SOYAMIN 70 soy protein concentrates. LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather,

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
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★ Updated Listing
★★ New Listing

magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids.

N.V. Oliefabriek Lichtervelde *R*

St. Pietersvliet 3, Nordic Building, Antwerp B-2000, BELGIUM; PH: 32/03/234-2700; FAX: 03/233-6644; TLX: 31325 (SIBCI).
Other Offices: Lichtervelde, West-Vlaanderen, BELGIUM (mfg.)
CONTACT: Coen van Wijk, Man. Dir.
Storage cap. 800MT; industrial oil products; served by rail and truck.

Oliefabrieken Debeil N.V. *R*

Sint Jansstraat 122, Staden 8140, BELGIUM; PH: 32/51/701701; TLX: 046-81567 (DEBEIL B).
CONTACT: Frederik Debeil, Man. Dir.
Refining cap. 50MT/day; storage cap. 500MT; refined soybean oil; served by truck. CONTACT: Guy Van Tongel, Comm. Dir.

Scaldiswerken Ruien N.V. *C*

Avelgemstraat 6, B-9690 Kluisbergen, BELGIUM; PH: 32/55/388412.
CONTACT: Albert Windels, Eng.
Continuous screw press; crush c ap. 20MT/day; storage cap. 1,000MT; animal/livestock feed, crude soybean oil, fully refined soybean oil; served by barge and truck. CONTACT: Maurice Windels.

N.V. Vamo Mills ★

MAIN OFFICE: Prins Albertlaan 12, Izegem 8700, BELGIUM; PH: 32/51/332211; FAX: 32/51/311965; TLX: 81622 (VAMO B).
Other Offices: Ghent, Merksem, BELGIUM
CONTACT: J. Rathke, Gen. Mgr.

N.V. Vamo Mills ★ *C SF IP*

Moervaartkaai, Ghent 9020, BELGIUM; PH: 32/51/332211; FAX: 32/51/311965; TLX: 81622 (VAMO B).
CONTACT: J. Rathke, Gen. Mgr.
Solvent extraction; crush cap. 3,300MT/day; storage cap. 60,000MT; crude degummed soybean oil, hulls, meal; served by barge, rail, ship and truck. CONTACT: K. Van der Heiden. **Lecithin (edible grade), 200 kg drums, 1 ton bins & bulk; PROVABIS soy flour, defatted & debittered; PROVAMIX (debittered) & PROVAFLOR (enzyme-active) full fat soy flour. CONTACT:** Pieter Verburgh. **Lecithin (industrial grade), 200 kg drums, 1 ton bins & bulk, for milk-replacers, paints, leather, etc.; PROVASOY soy flour, defatted and full fat for specialty animal feeds and pharmaceutical fermentation. CONTACT:** L. Plets.

N.V. Vamo Mills *C SF IP*

Carrettestraat 27, Merksem 2060, BELGIUM; PH: 32/51/332211; TXL: 81622 (VAMO B); FAX: 32/51/311965.
CONTACT: F. DeRoost, Gen. Mgr.
Solvent extraction; crush cap. 1,850MT/day; storage cap. 20,000MT; crude degummed soybean oil, hulls, meal; served by barge, rail, ship and truck.

CONTACT: P. Benoit. **Lecithin (edible grade), 200 kg drums, 1 ton bins & bulk. CONTACT:** M. Heirman. **Lecithin (industrial grade), 200 kg drums, 1 ton bins & bulk, for milk-replacers, paints, leather, etc.**

N. V. Vandemoortele ★ *R SF*

Prins Albertlaan 12, B-8870 Izegem, BELGIUM; PH: 51/332211; FAX: 51/302218; TLX: 81622 (VAMO B).
CONTACT: Jacques Rabaut, Gen. Mgr.
Edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by barge and truck. Soy oil products, cooking/salad oil; margarine; salad dressing; shortening.

BOLIVIA

Industrias de Aceite S.A. *C R SF*

Ballivian 262, P.O. Box 1759, Santa Cruz, BOLIVIA; PH: 591/033-47700; FAX: 591/033-42608; TLX: 42608 (IASA BV).
Solvent extraction; crush cap. 400MT/day; storage cap. 70,000MT; crude degummed soybean oil, crude soybean oil, meal; served by truck. Refining cap. 60MT/day; storage cap. 5,000MT; crude degummed soybean oil, edible soy oil products, fractionated soy oil, hydrogenated soy oil, refined soybean oil; served by rail and truck. Soy oil products, cooking/salad oil; margarine.

Sociedad Aceitera del Oriente S.A. (SAO) *C R*

Parque Industrial PI-9, P.O. Box 1295, Santa Cruz, BOLIVIA; PH: 309/033-50888 or 033-50889; TLX: 4299 (SAO BV).
CONTACT: Roberto S. Bruno, Sales Mgr.
Solvent extraction; crush cap. 180MT/day; storage cap. 42,000MT; crude soybean oil, meal; served by rail and truck. Refining cap. 40MT/day; storage cap. 1,500MT; crude degummed soybean oil, refined soybean oil; served by truck and rail.

BRAZIL

Cargill Agricola S.A. *C R*

Rua Olavo Bilac 157, P.O. Box 9333, São Paulo 01000, S.P., BRAZIL; PH: 55/11/545-0211; FAX: 2464571; TLX: 11/37764 (CARGB BR).
CONTACT: Sergio Barrosa, Acct. Mgr.
Solvent extraction; crush cap. 5,500MT/day; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail, truck and ship. Refining cap. 700MT/day; refined soybean oil; served by truck, rail and ship.

Continental de Oleos Vegetais

Affiliate of Continental Grain Co., USA
SALES OFFICE: Avenida Reboucas 2492, São Paulo 05402, BRAZIL; PH: 55/11/280-8433; FAX: 55/11/280-8172.
CONTACT: Ricardo Pelucio, Mgr.

Cooperativa Central Agropecuária Campos Gerais Ltda. *C*

Rodovia Ponta Grossa Palmeira, Km. 01, Ponta Grossa 84.045, Paraná, BRAZIL; PH: 55/0422-248166; FAX: 0422/248028; TLX: 422/240-366.
CONTACT: Willem Boer, Financial/Admin. Mgr.
Solvent extraction; crush cap. 600MT/day; storage cap. 808,309BU or 22,000MT; animal/livestock feed, crude degummed soybean oil, meal; served by rail and truck. CONTACT: Francisco J. Klotz, Gen. Mgr.

Energe S.A. *C R SF IP*

Affiliate of Nutrimental S.A.
BR 280, Km. 58, Guaramirim 89258, Santa Catarina, BRAZIL; PH: 55/0473/730355; TLX: 474497.
CONTACT: Luis Augusto de Mello
Solvent extraction; crush cap. 200MT/day; storage cap. 10MT; meal; served by truck. Refining cap. 27MT/day; storage cap. 800MT; crude degummed soybean oil; edible soy oil products; industrial oil products; served by truck. Natural lecithin (edible grade); SOITEX-E, SOITEX-P, SOITEX IN60 soy flour for bakery and meat industries; SOITEX-2095, SOITEX 2145 full fat flour for milk and egg replacers and baked goods/confection; PTS textured soy flour for use as meat extender; soyfoods, soymilk, drinks or beverages; other soy-based foods, soy base for milkshakes; instant soup. Lecithin (industrial grade) for general uses; soy flour/soy protein (industrial grade) as an adhesive for the plywood industry.

FAROL S.A. Ind. Gaúcha de Farelos e Oleos *C R*

Av. Borges de Medeiros, 659, 12th Floor, Porto Alegre 90020, R. S., BRAZIL; PH: 55/512/217799; FAX: 55/512/272006; TLX: 515196 (FIGF BR).
CONTACT: Sergio Lindemann, Export Mgr.
Solvent extraction; crude degummed soybean oil; served by ship. Crude degummed soybean oil.

Industria e Comercio de Oleos Vegetais S.A. (OLVEBRA) *C R*

Rua Siqueira Campos, 1163, Porto Alegre 90 010, R.G. Sul, BRAZIL; PH: 055/512-231200; FAX: 0512/288639; TLX: 055/51-1225.
Solvent extraction; crush cap. 2,500MT/day; storage cap. 107,000MT; crude degummed soybean oil, meal, white flakes for edible purposes; served by

rail; CONTACT: Luiz A. Erhart. **Refining cap. 450MT/day; storage cap. 5,200MT; crude degummed soybean oil; served by rail.**

Industria Gáucha de Farelos e Oleos S.A. (FAROL) *C SF IP*

Avenida Augusto F. Markus S/N, Entroncamento Rodo-Hidro-Ferroviario, Estrela 95880, R.S., BRAZIL; PH: 051/712-1188.
CONTACT: Sergio Lindemann, Export Mgr.
Solvent extraction; crush cap. 2,500MT/day; storage cap. 140,000MT; crude degummed soybean oil, meal; served by barge, rail and truck. Lecithin (edible grade), bulk; simulated meat products (analogs); soy flour; soy grits. Lecithin (industrial grade) for the paint industry; soy flour/soy protein (industrial grade) for glue.

Industrias J. B. Duarte S.A. *C R SF IP*

Rua XV de Novembro, 608, Santo Anastácio 19360, S.P., BRAZIL; PH: 182/61-1933; TLX: 182-305 (IJBD BR).
CONTACT: Archimedes J. Cortellazzi
Solvent extraction; crush cap. 1,000/day; storage cap. 45,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal; served by rail and truck. Storage cap. 6,000MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by truck and rail. Lecithin (edible grade). Lecithin (industrial grade); soy oil (industrial grade; soy sterols and tocopherols.

Industrias J. B. Duarte S.A. *SF IP*

Rua dos Patriotas, 1382, P.O. Box 1002, São Paulo 04207, S.P., BRAZIL; PH: 55/011/274-8211; TLX: 33172 or 21226 (IJBD BR).
Other Offices: Santo Anastácio, S.P.
CONTACT: Lian de Abreu Duarte, Comm. Dir.
Lecithin (edible grade); soy oil products, cooking/salad oil; shortening. Lecithin (industrial grade) for general uses; soy oil (industrial grade) for general uses.

Nutrimental S.A.

Indústria E Comércio de Alimentos, Av. Rui Barbosa, 1465, Caixa Postal, 171, São José dos Pinhais 83100, PR, BRAZIL; PH: 55/041/283-3344; TLX: 415493 (NUTR BR).
Other Offices: Guaramirim, Santa Catarina (Energe S.A.,mfg.)
CONTACT: William Tallmann, Food Tech.

Olvebra Industrial S.A. *C*

MAIN OFFICE: Rua Siqueira Campos, 1163, CEP 90010, Porto Alegre, R.S., BRAZIL; PH: 0532/257177; TLX: 0532/0125 (OLVE BR).
Other Offices: Guaiba; Lajeado; Santa Rosa; Pelotas;; Rio Grande do Sul
CONTACT: Luis Borges, Sales Mgr.
Solvent extraction; crush cap. 2,500MT/day; storage cap. 50,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail and truck. CONTACT: Hans Hajo Grün.

Olvebra Industrial S.A. *R SF*

Estrada Federal, BR 116, Km. 287, Guaiba 925500, R.S., BRAZIL; PH: 0512/802999; TLX: 051/1934 (OLVE BR).
CONTACT: Luis Borges, Dir.
Refining cap. 400MT/day; storage cap. 6,000MT; refined soybean oil; served by truck. CONTACT: Joao E. Mindes de Castro. **Simulated meat products (analogs); full fat soy flour; textured soy flour; soy grits; soy oil products, cooking/salad oil; soy protein concentrates; soyfoods, soymilk, drinks or beverages. CONTACT:** Larry Faria, Jr.

Olvebra Industrial S.A. *C*

Avenida Benjamin Constant, 2939, Lajeado 95900, R.S., BRAZIL; PH: 051/714-3811; TLX: 051-2963 (OLVE BR).
CONTACT: Hans H. Grun, Comm. Dir.
Solvent extraction; crush cap. 2,000MT/day; storage cap. 90,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck.

Olvebra Industrial S.A. *C*

Rua Santa Cruz, 100, Santa Rosa 98900, R.S., BRAZIL; PH: 055/512-1833; TLX: 055-2404 (OLVE BR).
CONTACT: Hans H. Grun, Comm. Dir.
Solvent extraction; crush cap. 1,000MT/day; storage cap. 112,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck.

SAMRIG S.A. ★ *C SF IP*

Conceição, 195, P.O. Box 614, Porto Alegre, R.S., BRAZIL; PH: 512/261922; FAX: 512/261922; TLX: 511233 (SAMRB BR).
Other Offices: Esteio, R.S. (mfg.); São Paulo, S.P. (office)
CONTACT: José Zilio, Dir.
Solvent extraction; crush cap. 2,000MT/day; storage cap. 130,000MT; crude degummed soybean oil, hulls, meal, white flakes for edible purposes; served by rail, ship and truck. CONTACT: Norman Bischoff. **SAMPROSOY 90 isolated soy proteins; lecithin (edible grade—25 types); FIBERICH soy fiber; PROSAM soy flour; MAXTEN textured soy flour; soy grits; soy oil products, cooking/salad oil; shortening; soy protein concentrates (water extraction process, functional types). TEXTROL lecithin (industrial grade) for paints; soy flour (industrial grade) for fermentation media.**

See Our Advertisement P. 37

CANADA

A.D.M. Agri-Industries, Ltd. ★ *C R SF IP*

Affiliate of Archer Daniels Midland Company
d/b/a Maple Leaf Monarch, 5550 Maplewood Drive, P.O. Box 7128, Windsor N9C 3Z1, Ontario, CANADA; PH: 519/972-2314; FAX: 519/969-0414; TLX: 06477887 (MLMON).
Other Offices: Little Rock, AK; Augusta, Valdosta, GA; Des Moines, IA; Frankfort, IN; Champaign, Decatur, Galesburg, Granite City, Taylorville, IL; Fredonia, KS; Mankato, MN; N. Kansas City, Mexico, MO; Clarksdale, MS; Fremont, Lincoln, NE; Fostoria, OH; Kershaw, SC; Spyck, GERMANY (ADM Oelmuehlen GmbH); Rotterdam, NETHERLANDS (A.D.M. Company Europe); Europoort, NETHERLANDS (A.D.M. Europoort).
CONTACT: John D. McNamara, Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck. Crude degummed soybean oil, edible soy oil products; served by rail and truck. Lecithin (edible grade); soy oil products, cooking/salad oil; margarine; salad dressing; shortening. Lecithin (industrial grade); soy sterols and tocopherols. CONTACT: Doug Miller.

Canada Packers Inc. ★ *R SF*

MAIN OFFICE: Edible Oil Division, 30 Weston Road, Toronto M6N 3P4, Ontario, CANADA; PH: 416/761-4170; FAX: 416/761-4452.
Other Offices: Montreal, Quebec; Wainwright, Alberta (mfg.)
CONTACT: Art Cyr, Vice Pres. & Gen Mgr.
PLANT SUPERINTENDENT: Doug Sparks
Edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. CONTACT: Doug Sparks, Plant Mgr. **Soy oil products, cooking/salad oil (35 liter pails to jumbo tank cars); margarine (20 kg cubes to jumbo tank cars); shortening (20 kg cubes to jumbo tank cars).**

Canada Packers, Inc. ★ *R SF*

1260 Mill Street, Montreal H3K 2B4, Quebec, CANADA; PH: 514/934-6595; FAX: 514/934-6596; TLX: 055-60601.
CONTACT: Pierre Cardin
Edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. Soy oil products, cooking/salad oil (35 liter pails to jumbo tank cars); margarine (20 kg cubes to jumbo tank cars); shortening (20 kg cubes to jumbo tank cars).

Canada Packers Inc. ★ *R SF*

P.O. Box 636, Wainwright T0B 4P0, Alberta, CANADA; PH: 403/842-6154; FAX: 403/842-6154; TLX: 037-41603.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner
SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products
★ Updated Listing
★★ New Listing

CONTACT: Brian Bochard, Western Reg. Mgr.
Edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail and truck. Soy oil products, cooking/salad oil; margarine; shortening (all in tank trucks & tank cars).

Central Soya of Canada Ltd. ★ *C SF*

Affiliate of Central Soya Company, Inc.
P.O. Box 618 Station A, Hamilton L8N 3K7, Ontario, CANADA; PH: 416/527-9121; FAX: 416/527-3306.
Other Offices: Decatur, IN; Fort Wayne, IN; Indianapolis, IN; Remington, IN; Gibson City, IL; Bellevue, OH; Delphos, OH; Marion, OH
CONTACT: Murray Davis
Solvent extraction; crude degummed soybean oil, meal; served by barge, rail, ship and truck. Lecithin (edible grade).

Champlain Industries Ltd. ★ *SF*

600 Wallrich Avenue, Cornwall K6H 5S7, Ontario, CANADA; PH: 613/932-1961; FAX: 613/937-3575.
Other Offices: Harbor Beach, MI; Clifton, NJ
CONTACT: John Poirer, Plant Mgr.
PLANT SUPERINTENDENT: John Poirer
Hydrolyzed vegetable protein.

CSP Foods Ltd. ★ *C R SF*

35 - 10th Avenue, N.W., P.O. Box 750, Altona R0G 0B0, Manitoba, CANADA; PH: 204/324-6481; FAX: 204/324-5995.
CONTACT: Norman Buhr, Location Gen. Mgr.
Solvent extraction; crush cap. 800MT/day; crude soybean oil, meal; served by rail and truck. Refining cap. 300MT/day (RBW) & 150MT/day (deod.); crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck and rail. Soy oil products, cooking/salad oil.

La Soyarie, Inc. ★ *SF*

94 Adrien Robert, Hull J8Y 3S2, Quebec, CANADA; PH: 819/777-6716.
CONTACT: Koïchi Watanabe, Pres.
Soyfoods, LA SOYARIE tofu; soynuts (whole soybean snacks); other soy-based foods, LA SOYARIE tofuburgers.

Noble Bean ★ *SF*

R.R. 1, McDonalds Corners K0G 1M0, Ontario, CANADA; PH: 613/278-2305.
CONTACT: Allan Brown, Mgr.
PLANT SUPERINTENDENT: Allan Brown
Soyfoods, tempeh, soy; quinoa/sesame; three grain; se veggie; other soy-based foods, tempeh burgers.

Pokonobe Industries Inc. ★ *C R SF*

CP 814, Snowdon, Montreal H3X 3X9, Quebec, CANADA; PH: 514/737-4099; FAX: 514/738-7084.
Other Offices: Santa Monica, CA; New York, NY
CONTACT: David Nagley, Gen. Mgr.
Continuous screw press, hydraulic press; crude degummed soybean oil, crude soybean oil; served by rail, ship and truck. Crude degummed soybean oil, edible soy oil products, refined soybean oil; served by rail, ship and truck. Soy oil products, cooking/salad oil (expeller-pressed only).

Unisoya, Inc. ★★ *SF*

Affiliate of Berero Inc. (Tounatur Foods Inc.)
1020 St. Regis, St - Isidore Co. Laprairie J0L 2A0, Quebec, CANADA; PH: 514/454-2429.
Other Offices: Laprairie, Quebec (Berero Inc.); Co. Laprairie, Quebec, CANADA (Tounatur Foods)
CONTACT: Robert Alarie, Vice Pres., Mkting.
PLANT SUPERINTENDENT: Real Beaulieu
EL PERRO (wieners, MINI-PERRO (cocktail mini wieners), EL PERRONI (tofu pepperoni) simulated meat products (analogs); soyfoods, other soy-based foods, TOFUSSIMO fresh tofu desserts; TOFUSSIMO fresh tofu pastas (ready to eat), frozen vegetarian pizzas.

CHILE

COPRONA S.A. ★★ *C R SF IP*

Affiliate of Unilever
Av. M. Zanartu 1300, P.O. Box 248-V, Santiago 21, Nunoa, CHILE; PH: 56/2/238-0911; FAX: 56/2/238-2667; TLX: 240195 (COPRP CL).
Other Offices: Iquique; Lontue; Teriuco (mfg.)
CONTACT: Rodolfo Sarno, Comm. Dir.
PLANT SUPERINTENDENT: Alex Orphanopoulos
Crude degummed soybean oil, crude soybean oil, white flakes for edible purposes; served by ship and truck. Refining cap. 240MT/day; storage cap. 4,000MT; edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by ship and truck. CONTACT: Rodolfo Sarno, Comm. Dir. **Soy oil products, cooking/salad oil; margarine; salad dressing; shortening. Soy oil (industrial grade), soybean fatty acids. CONTACT:** Alex Orphanopoulos, Tech. Dir.

Watt's Alimentos S.A. ★ *R SF IP*

Presidente Jorge Alessandri R. 10501, Casilla 14271, Correo 21, Santiago, CHILE; PH: 56/2/558-3625; TLX: 240029.
Other Offices: Antoragasta; Concepcion; Iquique; La Serena; Santiago (Industria Nacional de Alimentos Ltda.); Talca; Temuco; Vina del Mar
CONTACT: Luis Araya, Gen. Mgr.
Refining cap. 300MT/day; storage cap. 12,000MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; served by ship and truck. Soy oil products, SUPERIOR, BELMONT, REINA cooking/salad oil; SURENA, DANESA, SUPERIOR, REINA margarine; CRUZTECA, CRUCINA, PAMPERO shortening. CONTACT: Sergio Sepulveda. **Refined soy oil (industrial grade) for alkyd resins.**

COLOMBIA

Aceites del Caribe S.A. *C SF*

Affiliate of Lloredo Grasas S.A.
Via 40 Calle 87, Apartado Aereo 2333, Barranquilla, COLOMBIA; PH: 340010; TLX: 033367 (ADCA CO).
CONTACT: Hugo P. Romero, Comm. Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, meal; served by truck. Lecithin (edible grade).

COGRA Lever S.A. *R SF IP*

Calle 13 No. 45-46, Apartado 4329, Bogotá, D.E., COLOMBIA; PH: 57/268-7766; FAX: 57/269-2186; TLX: 041445.
CONTACT: Carlos Eduardo Calderón Oils & Seeds Purchasing Mgr.
Refining cap. 300MT/day; storage cap. 3,000MT; edible soy oil products, industrial oil products. Soy oil products, margarine for commercial use; shortening made with a mixture of oils; soy oil for mayonnaise. Soy oil (industrial grade).

Grasas S.A. *C R SF IP*

Calle 11 #18-113, Buga AA 85, Valle, COLOMBIA; PH: 57/931-72021; FAX: 57/931-74618; TLX: 0-05866.
CONTACT: Alberto Hadad Lemos, Pres.
Solvent extraction; crush cap. 260MT/day; storage cap. 27,000MT; meal; served by truck. Refining cap. 100MT/day; storage cap. 1,200MT; edible soy oil products; served by truck. LECITINA lecithin (edible grade); CARNAVIT simulated meat products (analogs). Lecithin (industrial grade); ADHESOYA soy flour/soy protein (industrial grade).

— Please Check Your Listing For Accuracy —

Grasas Vegetales S.A. (GRAVETAL) *C R SF IP*

Cra. 28, No. 37-79, Apartado Aereo 80617, Sabaneka, Antioquia, COLOMBIA; PH: 57/4/288-0711; FAX: 57/4/288-2008; TLX: 66797 (GVTAL CO).
CONTACT: Carlos A. Jeramillo, Plant Mgr.
PLANT SUPERINTENDENT: Carlos A. Jeramillo
Solvent extraction; crush cap. 300MT/day; storage cap. 4,000MT; meal; served by rail and truck. Refining cap. 140MT/day; storage cap. 2,000MT; crude degummed soybean oil, edible soy oil products, fractionated soy oil, hydrogenated soy oil, refined soybean oil; served by truck and rail. Lecithin (edible grade); soy oil products, cooking/salad oil; margarine; shortening. Lecithin (industrial grade); soy oil (industrial grade); soybean fatty acids.

Lloreda Grasas S.A.

Autopista Cali-Yumbo, Km. 3, Apartado Aereo 1288, AA1288 Cali, COLOMBIA; PH: 57/645043; FAX: 57/647386; TLX: 055711 (LLOGR CO).
Other Offices: Barranquilla, COLUMBIA
CONTACT: Hugo P. Romero, Comm. Mgr.

COSTA RICA

E. Chamorro Industrial S.A.

P.O. Box 553-1002, San Jose, COSTA RICA.
Other Offices: Granada, NICARAGUA; Miami, FL

Compania Numar S.A. *SF*

Av. 12, C20-24, Apartado 3657, San Jose 1000, COSTA RICA; PH: 239666; TLX: 2185 (NUMAR CR).
CONTACT: John O. Knohr, Gen. Mgr.
Soy oil products, CLOVER cooking/salad oil (1 liter, PVC containers); NUMAR margarine (125 grs. bars); salad dressing (mayonnaise); soyfoods, other soy-based foods, sandwich spreads (4, 8, 16 and 32 oz. glass jars). CONTACT: Saverio A. Carriero.

Productora Costarricense de Alimentos *SF*

Tirrases, Curridabat, 200 Metros Antes INSA, San Jose, COSTA RICA; PH: 542770 or 542398.
CONTACT: Eugenio Valenciano, Plant Mgr.
PLANT SUPERINTENDENT: Eugenio Valenciano
Full fat soy flour; soyfoods, soymilk, drinks or beverages; other soy-based foods.

CYPRUS

Ambrosia Oils (1976) Ltd. ★★ *R SF IP*

Larnaca Industrial Estate, P.O. Box 433, Larnaca, CYPRUS; PH: 357/4/637470; FAX: 357/4/636210; TLX: 2521 (AMBROSIA CY).
CONTACT: Demetris Misdourides
PLANT SUPERINTENDENT: Michael Evangelides
Refining cap. 200MT/day; storage cap. 12,000MT; edible soy oil products, industrial oil products, refined soybean oil; served by truck. Soybean oil products, AMBROSIA cooking/salad oil. Soy oil (industrial grade), alkali refined for the production of alkali resins.

DENMARK

Aarhus Oliefabrik A/S ★ *R SF*

M.P. Bruunsgade 27, P.O. Box 50, 8100 Aarhus C, DENMARK; PH: 45/86/126000.
CONTACT: Nis Petersen, Deputy Dir. or Per Skovmand, Sales & Mkting. Mgr., Protein Div.
Refining cap. 50MT/day; storage cap. 500MT; edible soy oil products, refined soybean oil; served by ship and truck. CONTACT: Nis Petersen, Deputy Dir. **Lecithin (edible grade); DANPROFIBER soy fiber; DANTEX textured soy flour; soy grits; danpro, danprotexsoy protein concentrates. CONTACT:** Per Skovmand, Sales & Mkting. Mgr., Protein Div.

DS Industries ApS *R SF IP*

Affiliate of East Asiatic Company Islands Brygge 24, Copenhagen DK-2300 S, DENMARK; PH: 45/1-546600; FAX: 45/157-7657; TLX: 31313 (DASOY DK).
CONTACT: Mogens Kjaer, Gen. Mgr.
Hydrogenated soy oil, industrial oil products; served by rail and truck. Lecithin (edible grade); soy oil products, cooking/salad oil. CONTACT: J. U. Haxthausen. **Soy oil (industrial grade); soybean fatty acids. CONTACT:** Kim Danielsen.

DOMINICAN REPUBLIC

Industrials Lavador, C. Por A. ★ *C R SF*

Av. San Martin 122, P.O. Box 761, Santo Domingo, DOMINICAN REPUBLIC; PH: 809/567-5725 or 565-2136; FAX: 809/566-8544.
CONTACT: Mario J. Cabrera, Vice Pres.
PLANT SUPERINTENDENT: Jose Brea
Continuous screw press; solvent extraction; storage cap. 15,000MT; animal/livestock feed, crude degummed soybean oil, hulls, meal; served by barge, ship and truck. Refining cap. 80MT/day; storage cap. 3,000MT; edible soy oil products, refined soybean oil; served by truck. Soy oil products, AMAPOLA margarine.

Productora Nacional de Alimentos Balanceados S.A. ★ *C R SF*

Av. San Martin 124, P.O. Box 1383, Santo Domingo, DOMINICAN REPUBLIC; PH: 809/567-5725 or 565-2136; FAX: 809/566-8544.
CONTACT: Mario J. Cabrera, Pres.
PLANT SUPERINTENDENT: Enrique Rodriguez
Continuous screw press; solvent extraction; storage cap. 15,000MT; animal/livestock feed, crude degummed soybean oil, hulls, meal; served by barge, ship and truck. Refining cap. 110MT/day; storage cap. 12,000MT; edible soy oil products, hydrogenated soy oil; refined soybean oil; served by truck, barge and ship. Soy oil products, cooking/salad oil; margarine; shortening.

ECUADOR

Fabrica de Aceites la Favorita S. A. *C R SF IP*

P. O. Box 486, Guayaquil, ECUADOR; PH: 593/4/402840; FAX: 593/4/444453; TLX: 043174 (JARITA ED).
CONTACT: Xavier Vallarino, Pres.
Solvent extraction; crush cap. 200MT/day; crude degummed soybean oil, meal; served by ship and truck. Refining cap. 150MT/day; storage cap. 5,000MT; edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by ship and truck. Soy oil products, LA FAVORITA cooking/salad oil; BONELLA, DORINA margarine; PORKY shortening. Soy oil (industrial grade).

Industrias Ales C.A. ★★ *C R SF*

Av. 10 de Agosto 8919, P. O. Box 17-04-10338, Quito, ECUADOR; PH: 593/2/402-600; TLX: 2859 (ALESCA ED).
Other Offices: Manta (mfg.)
CONTACT: Patricio Alvarez D., Gen. Mgr.
PLANT SUPERINTENDENT: Carlos Reyes
Solvent extraction; crush cap. 120MT/day; storage cap. 15,000MT; crude

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner
SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products
★ Updated Listing
★★ New Listing

degummed soybean oil, hulls, meal; served by ship and truck. Refining cap. 100MT/day; storage cap. 10,000MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; served by ship and truck. Soybean oil products, cooking/salad oil; margarine; shortening.

Oleica S.A. *C R SF*

1/2, Via a Daule, Km. 6, P.O. Box 3228, Guayaquil, ECUADOR; PH: 593/4/351300 or 351877; FAX: 593/4/245664; TLX: 3214 (OLJACE ED).
CONTACT: Luis Piana, Mgr.
Solvent extraction; crush cap. 200MT/day; storage cap. 12,000MT; animal/livestock feed, crude soybean oil; served by truck. Refining cap. 150MT/day; storage cap. 9,000MT; edible soy oil products, fractionated soy oil, hydrogenated soy oil, refined soybean oil; served by truck. Soy oil products, cooking/salad oil; margarine; salad dressing; shortening.

Primeros Hidrogenadores de Aceites y Grasas Ecuatorianos S.A. ★ *C R SF*

Km. 16.5 Via Daule, P.O. Box 6387, Guayaquil, Guayas, ECUADOR; PH: 593/4/251555; FAX: 593/4/25-2814; TLX:3506.
CONTACT: Gilberto Burbano, Gerente Gen.
Solvent extraction; crush cap. 100MT/day; storage cap. 5,000MT; crude degummed soybean oil, meal; served by rail. Refining cap. 120MT/day; storage cap. 10,000MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil; served by rail. Soy oil products, UNICA cooking/salad oil; ESPECIAL margarine; UNICA shortening.

EGYPT

The Egyptian National Vegetable Oils Extraction Corp. (ENVOCO) ★ *C R SF*

West Noubariah Canal, El Metrass, Wardian, P.O. Box 1984, Alexandria 21519, EGYPT; PH: 03/445-5819 or 446-2910; FAX: 03/445-3373; TLX: 54214 (MGM UN).
Other Offices: Cairo, EGYPT
CONTACT: Charles M. Malak, Vice Pres., Production
Solvent extraction; crush cap. 300MT/day; storage cap. 24,000MT; hulls, meal; served by truck and barge. Refining cap. 80MT/day; storage cap. 5,000MT; edible soy oil products, refined soybean oil; served by truck and barge. Soy oil products, DAHAB, SHOROUK, SHEREEN, SIHHA cooking/salad oil.

Mobarak & Company *C R*

Gesr El-Girgawiya El-Gharbi Street, P.O. Box 23, Sohag, EGYPT; PH: 02/093-322116 or 323118; TLX: 24201 (MOBRK UN).
CONTACT: Bahaa Mobarak
Hydraulic press; crush cap. 100MT/day; storage cap. 10,000MT; meal; served by truck. Refining cap. 18MT/day; storage cap. 600MT; crude soybean oil, crude degummed soybean oil, hydrogenated soy oil; served by truck.

ENGLAND

Samuel Banner & Company Ltd. *R SF*

59/61 Sandhills Lane, Liverpool L59XL, ENGLAND; PH: 44/051/922-7871; FAX: 44/051/922-0407; TLX: 627025 (BANNER G).
Other Offices: Fleet, Hampshire, ENGLAND
CONTACT: Colin J. Newman, Dir.
Refining cap. 240MT/day; storage cap. 3,000MT; crude degummed soybean oil, hydrogenated soy oil, refined soybean oil; served by truck, barge and ship. Soy oil products, cooking/salad oil.

BEOCO Limited ★ *R*

Regent Road, Bootle, P.O. Box 26, Merseyside, Liverpool L20 1EH, ENGLAND; PH: 051/922-7272; FAX: 051/933-4165; TLX: 629339 (EDOILS G)
CONTACT: Mark Bennett, Comm. Dir.
Hydrogenated soy oil, refined soybean oil; served by truck and ship.

Berrydales Ltd. ★ *SF*

Berrydale House, 5 Lawn Road, London NW3 2XS, ENGLAND; PH: 44/71/722-2866; FAX: 44/71/722-7685; TLX: 264671 (MALMUS).
CONTACT: Michelle Berriedale-Johnson, Dir.
Soyfoods, BERRYDALES fresh tofu and soymilk frozen desserts.

BOCM Silcock Ltd. *C R IP*

Basing View, Basingstoke RG21 2EQ, Hampshire, ENGLAND; PH: 44/02/562-9211; TLX: 858429 (BSHO G).
Other Offices: Selby, Yorkshire (mfg.)
CONTACT: David Lewin, Gen. Mgr.
Solvent extraction; crush cap. 400MT/day; storage cap. 2,000MT; animal/livestock feed, crude soybean oil, meal; served by barge, rail and truck. Refining cap. 70MT/day; storage cap. 1,000MT; industrial oil products, once refined soybean oil; served by truck, rail and barge. SUPERSOY soy protein (industrial grade) as animal feed ingredient; soy oil (industrial grade) for resin manufacture.

The British Arkady Company Ltd. ★ *SF*

Affiliate of Archer Daniels Midland (ADM), Decatur, IL
Skerton Road, Old Trafford, Manchester M16 0NJ, ENGLAND; PH: 061/872-7161; FAX: 061/873-8083; TLX: 668488.
CONTACT: Ronald M. Kirk, Sales Dir.
PLANT SUPERINTENDENT: Steve Crick
ARDEX isolated soy proteins; YELKIN lecithin (edible grade); simulated meat products (analogs), soy fiber; ARKASOY soy flour; HISOY DOSOY full fat soy flour; TVP textured soy flour; soy grits; ARCON soy protein concentrates; textured vegetable protein; soyfoods, other soy-based foods vegetarian foods, bakery ingredients.

Cargill UK Ltd. *C R*

No. 2 Gladstone Deck, Bootle, L201BG Liverpool, Merseyside, ENGLAND; PH: 44/51/933-0624.
CONTACT: Terry Savidge
Solvent extraction; crush cap. 2,400MT/day; crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck. Refining cap. 360MT/day; refined soybean oil; served by truck.

Cauldron Foods Ltd. ★★ *SF*

Affiliate of Hero-Rayners & Company Ltd.
149 South Liberty Lane, Ashton Vale, T/Est., Bristol BS3 2TL, ENGLAND; PH: 44/272/632835; FAX: 44/272/231427.
CONTACT: P. Marshall, Operations Mgr.
Soyfoods, tofu & tofu products, original, smoked and marinated tofu; other soy-based foods, tofuloni; tofu burgers/grills; tofu frozen meals; tofu frozen desserts.

Cherwell Valley Silos Ltd. *IP*

Twyford, Banbury 0X17 3AA, Oxfordshire, ENGLAND; PH: 044/0295-811441; FAX: 0295/811228; TLX: 83477 (CVS BAN).
Other Offices: Dieppe, FRANCE (Cherwell Ralli)
CONTACT: James Hoy, Sales Mgr.
SOYJOY MAXIM soy flour/soy protein (industrial grade), full fat for animal feed.

Full of Beans ★ *SF*

The Old Bottling Store, Castle Ditch Lane, Lewes, East Sussex, ENGLAND; PH: 44/0273/472627.
CONTACT: John G. Gosling, Man. Dir.
Soyfoods, frozen desserts; miso, soybean and rice; tamari, shoyu soy sauces; tempeh; tofu; other soy-based foods, soya paté.
CONTACT: Sara Gosling.

GMB Proteins Ltd. ★ *SF*

Affiliate of Bush Boake Allen Ltd.
Blackhorse Lane, Walthamsow, London E17 5QP, ENGLAND; PH: 44/081/531-4211; FAX: 44/081/531-4890; TLX: 897808 (BBAWAL G).
CONTACT: Geoffrey F. Titchener, Tech. Sales Mgr.
BONTRAE simulated meat products (analogs—meat-flavored steam-

textured soy proteins); BONTRAE textured soy flour (steam-textured soy proteins).

Haldane Foods Ltd. *SF*

Hayhill Industrial Estate, Unit 25, Sileby Road, Barrow upon Soar, Leicestershire LE12 8LD, ENGLAND; PH: 050/981/6611; TLX: 342709 (HERAVN).
CONTACT: Brian Wellsby
Soyfoods, SOJAL frozen desserts; SOJAL soymilk; TOFEATA tofu; other soy-based foods, HERA meat alternatives (freeze-dried); TOFEATA tofu burgers; YOGA soy-based yogurt; HERA soup mixes.

Lucas Ingredients Ltd. ★ *SF*

Affiliate of Dalgety PLC
Moravian Road, Kingswood, Bristol BS15 2NG, Avon, ENGLAND; PH: 44/0272/674681; FAX: 44/0272/605409; TLX: 449825.
CONTACT: Paul Potter, Export Mgr.
Simulated meat products (analogs); soy grits; NEWPRO soy protein concentrates; SOLIS textured soy protein; soyfoods, other soy-based foods, special mixes for the baking & meat industry; all vegetable food items.

Lucas Meyer (UK) Ltd. ★ *C R SF IP*

Affiliate of Lucas Meyer GmbH & Co., Hamburg
42 City Road, Chester CH1 3AE, ENGLAND; PH: 44/244/48447; FAX: 44/244-46988; TLX: 051/1/61616 (LMUKL G).
Other Offices: Campinas, BRAZIL; Oudenaarde, BELGIUM; Le Blanc Mesnil, Cedex, FRANCE; Hamburg, FEDERAL REPUBLIC OF GERMANY; Vigonza, ITALY; Zaandaui, NETHERLANDS; Barcelona, SPAIN; Decatur, IL
CONTACT: Mike Preston, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy protein; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN, EMULTHIN, EPICHOLIN, and EPIKURON lecithins (edible grade); SOVITAL soy bran; NURAFLAKES full fat soy flakes; SOYAMIN 50 soy flour; SOYAPAN and NURUPAN full fat soy flours; NURUGRAN full fat soy grits; SOYOCO full fat soy kernels; NURULAT full fat soy powder; VEGAFOOM soy protein (whipping); TEXTRATEIN textured soy protein; SOYAMIN 70 soy protein concentrates. LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather, magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids.

Matthews Foods PLC ★ *SF*

The Healey Complex, Healey Road, Osset, West Yorkshire WF5 8 NE, ENGLAND; PH: 44/0924/272534; FAX: 44/0924/277071; TLX: 55483 (MATGRP).
CONTACT: Alan West, Trading Dir.
PLANT SUPERINTENDENT: John Whitehurst
Soy oil products, St. LUKE'S margarine; PARK LANE shortening.

Procter & Gamble Ltd. ★ *SF IP*

Procter & Gamble Inc.
Hayesgate House, Uxbridge Road, P.O. Box 9, Hayes UB4 05D, Middlesex, ENGLAND; PH: 01/848-9671; FAX: 01/848-9671; TLX: 936310.
CONTACT: Murray King, Sales Mgr.
Soy oil products, cooking/salad oil; shortening. Soybean fatty acids.
CONTACT: Alan Brunskill.

Van Den Berghs & Jurgens Ltd. ★ *C SF*

Affiliate of Unilever Ltd.
Sussex House, Burgess Hill,, Civic Way, West Sussex RH15 9AW, ENGLAND; PH: 044/46300.
Other Offices: Bromborough, Purfleet (mfg.)
CONTACT: B. P. Backlog, Oils & Fats Mgr.
Edible soy oil products, fully refined oil, hydrogenated oil; served by barge, rail, ship and truck. Soy oil products, cooking/salad oil; margarine; shortening.

FINLAND

Oljynpuristamo Oy ★ *C SF IP*

Niittaajankatu 1, P.O. Box 15, Helsinki SF-00811, FINLAND; PH: 358/0/780-155; FAX: 358/0/755-6441; TLX: 121518 (OILML SF).
CONTACT: Pentti Karri, Mkting. Dir.
Continuous screw press, solvent extraction; crush cap. 500MT/day; storage cap. 10,000MT; crude degummed (super) soybean oil, crude soybean oil, meal; served by barge, rail, ship and truck. Lecithin (edible grade), ÖPEX soy flour (bulk and bags); full fat soy grits (toasted); soy oil products, cooking/salad oil (cans, plastics, tins). Lecithin (industrial grade) for paints, etc.

Raision Tehtaat Oy Ab *C R SF IP*

P.O. Box 101, Raisio SF-21201, FINLAND; PH: 385/21/792-111; FAX: 358/21/792-664; TLX: 62236 (RATE SF).
CONTACT: Heikki Siintola, Gen. Mgr., Int'l. Oper.
Continuous screw press, solvent extraction; crush cap. 500MT/day; storage cap. 8000MT; animal/livestock feed, crude degummed soybean oil, meal; served by rail, ship and truck. Refining cap. 85MT/day; crude degummed soybean oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. CONTACT: Olli Siika-aho. **Soy oil products, cooking/salad oil; margarine; salad dressing; shortening. CONTACT:** Folke Gustafsson. **Soy oil (industrial grade); soybean fatty acids. CONTACT:** Jan-Erik Johansson.

Tuottajain Rypsi Oy *C*

Mikkolantie 1, P.O. Box 1, Helsinki 00641, FINLAND; PH: 358/0/7291; FAX: 358/0/729-2612; TLX: 124660 (HJAHE SF).
Other Offices: Kouvola, FINLAND (mfg.)
CONTACT: Erkki Franssila, Man. Dir.
Continuous screw press; crush cap. 150MT/day; storage cap. 100MT; animal/livestock feed, crude soybean oil; served by truck.

FRANCE

ALIDOC ★ *SF*

Affiliate of Cooperative Occitane
Z. I. Rue Denis Papin, Saint Antoine, Saint-Juery 81160, FRANCE; PH: 63/453522; TLX: 531051 (COOCITA).
CONTACT: Yvon Matha
Full fat soy flour.

CACOJA *C SF*

8 Route de Merxheim, Issenheim 68500, FRANCE; PH:33/8974-5353; FAX: 8976-6280; TLX: 881-719 (BISOJA).
CONTACT: Hervé Chartron, Sales Mgr.
Crush cap. 2,000MT/day; hulls. Soy fiber; soy oil products, FORMOSA-LINES salad dressing; ultra-filtered soy protein concentrates; soyfoods, soymilk, drinks or beverages; soy sauce; tofu & tofu products; soynuts (whole soybean snacks); other soy-based foods, SOY-NILCU chocolate soy ice.

Cargill Soya France *C*

Affiliate of Cargill, Inc.
Blvd. Paul Leferme, St. Nazaire 44600, FRANCE; PH: 33/40/665266.
CONTACT: Pouwel Brouwer, Acct. Mgr.
Solvent extraction; crush cap. 1,300MT/day; crude soybean oil, meal; served by barge, rail, ship and truck.

Cherwell Ralli Europe *IP*

Affiliate of Cherwell Valley Silos, U.K.
Z.I. Rouxmesnil-Bouteilles, P.O. Box 147, Dieppe 76204, FRANCE; PH: 33/35/82-7285; FAX: 33/35/84-3048; TLX: 180655 (CHERLI D).
SOYJOY full fat soy flour (for cattle feed).

C = Soybean Processor (Crusher)
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IP = Industrial Soy Products

★ Updated Listing
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Compagnie Cargill S.A.
Affiliate of Cargill, Inc. Minneapolis, MN
MAIN OFFICE: 18-20 Rue des Gaudines, St. Germain en Laye 78100, FRANCE; PH: 33/1/3973-6611; TLX: 696828 (GRANA F).
Other Offices: Brest, St. Nazaire (mfg.)
CONTACT: J. L. Lapix, Gen. Mgr.

Compagnie Cargill S.A. *C*
Rue de Yokosuka, Brest 29200, FRANCE; PH: 33/9880-2609; TLX: 940238 (SF BREST).
CONTACT: Juan Recasens, Dpty. Acct. Mgr.
Solvent extraction; crush cap. 1,800MT/day; storage cap. 35,000MT; crude degummed soybean oil, meal; served by rail, ship and truck.

Compagnie Cargill S.A. *C*
Blvd. Leferme, St. Nazaire 4460, FRANCE; PH: 33/40/665266; TLX: 700941 (SOJA FRAN).
CONTACT: Juan Recasens, Dpty. Acct. Mgr.
Solvent extraction; crush cap. 1,600MT/day; storage cap. 60,000MT; crude degummed soybean oil, hulls, meal; served by rail, truck and ship.

P. Dumortier Freres *R SF*
105 Rue de Rotterdam, BP 120, Tourcoing 59202, NDRD, FRANCE; PH: 20/266100; FAX: 20/362278; TLX: 810075 or 131162.
CONTACT: Guy-Noël Dumortier, Pres.
Refining cap. 175MT/day; storage cap. 2,000MT; edible soy oil products, refined soybean oil; served by truck. Soy oil products, RIO, PRIOR, MAYOR margarine; MAYOR, PRIOR salad dressing.

LIMA France *SF*
Affiliate of LIMA Belgium
Le Moulin d'Andiran, Mezin 47170 , FRANCE; PH: 33/6171/22046; TLX: 541137.
CONTACT: Mr. Stevens, Sales Mgr.
Soyfoods, miso.

Lucas Meyer France S.A. ★ *C R SF IP*
Affiliate of Lucas Meyer GmbH & Co., Hamburg
Centre d' Affaires Paris Nord le Continental, F-93153 Le Blanc Mesnil, Cedex, FRANCE; PH: 0033/1/44591-2300; FAX: 0033/1/4591-19030; TLX: 233966 (MEYER FR).
Other Offices: Oudenaarde, BELGIUM; Campinas, BRAZIL; Chester, ENGLAND; Hamburg, FEDERAL REPUBLIC OF GERMANY; Vigonza, ITALY; Zaandaui, NETHERLANDS; Barcelona, SPAIN; Decatur, IL
CONTACT: Pierre Lebourd, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy protein; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN. EMULTHIN, EPICHOLIN, and EPIKURON lecithins (edible grade); SOVITAL soy bran; NURAFLAKES full fat soy flakes; SOYAMIN 50 soy flour; SOYAPAN and NURUPAN full fat soy flours; NURUGRAN full fat soy grits; SOYOCO full fat soy kernels; NURULAT full fat soy powder; VEGAFOOM soy protein (whipping); TEXTRATEIN textured soy protein; SOYAMIN 70 soy protein concentrates. LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather, magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids.

MAHO Distribution ★ *SF*
18 Square Les Oliviers, Coudoux 13.111, FRANCE; PH: 42/52-0998; FAX: 42/52-0944.
CONTACT: Pierre Maitre, Gen. Mgr.
Soyfoods, other soy-based foods, TOFU 'KISS.

Societe Industrielle des Oleagineux (SIO) ★ *R SF IP*
Affiliate of British Arkady (A.D.M. Group)
MAIN OFFICE: 62/70 Rue Ivan Tourgueneff, Bougival 78380, FRANCE; PH: 1/39/69-7070; TLX: 689413 (SOLEAG).
Other Offices: Saint-Laurent-Blangy, FRANCE (mfg.)
CONTACT: Guy Deneck, Protein Mgr.
Edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck. ARDEX isolated soy proteins; YELKIN lecithin (edible grade); soy fiber; PROTISOYA soy flour; PERSOYA full fat soy flour; TVP-1 textured soy flour; DYNASOYA soy grits; soy oil products, shortening; TVP-2 soy protein concentrates; soyfoods, other soy-based foods, BOULANGE (soya bread mix). Lecithin (industrial grade); SOYOPTIM soy flour/soy protein (industrial grade).

Societe Industrielle des Oleagineux (SIO) ★ *C R SF IP*
10-12 Rue du General de Gaulle, Saint-Laurent-Blangy 62223, FRANCE; PH: 2159-9800; TLX: 820580 (SIO).
CONTACT: Guy Deneck
animal/livestock feed, hulls, meal; served by barge, rail and truck. Hydrogenated soy oil, refined soybean oil; served by truck, rail and barge. Lecithin (edible grade); simulated meat products (analogs); soy flour; soy grits; soy oil products, shortening; other soy-based foods, bread mix. Lecithin (industrial grade); soy flour/soy protein (industrial grade); soy oil (industrial grade).

Société Soy *SF*
1, Rue du Crêt de la Perdrix, St. Chamond 42400, FRANCE; PH: 33/16/7731-2366; FAX: 33/16/7731-4270; TLX: 307072.
CONTACT: Jean de Préneuf
Soyfoods, CROQUE tofu.

SOJADOC *SF*
Affiliate of Cooperative Occitane
Zone Industrielle La Viscose, Albi 81000, FRANCE; PH: 33/63/454645.
CONTACT: Jacques Isnard
Soyfoods, TONYU soymilk, drinks or beverages; tofu, soft, medium or firm (vacuum packed, 200g, 400g or 3,500g); other soy-based foods, LOW FAT delicatessen seafood and tofu pies (low fat pastry).

GERMANY

A. Nattermann & Cie. GmbH ★ *SF IP*
Nattermannallee 1, P.O. Box 35 01 20, D-5000 Cologne 30, GERMANY, FEDERAL REPUBLIC FO; PH: 49/221/509-2498; FAX: 49/221/509-2711; TLX: 8881928 (NAT D).
Other Offices: Danbury, CT (Nattermann Phospholipid Inc.); Danbury, CT (American Lecithin Co.)
CONTACT: Günter Schiffmann, Purchasing Mgr.
CHOCONUT, NATHIN, NUTHRITHIN, PHOSAL, PHOSPHOLIPON lecithin (edible grade). PROBIOL lecithin (industrial grade) for leather, textile, magnetic types and paint.

A.D.M. Oelmuehlen GmbH ★ *C*
Affiliate of Archer Daniels Midland Company
Oelwerke Spyck, D-4190 Spyck Post Kleve, Postfach 128, Spyck, GERMANY, FEDERAL REPUBLIC OF; PH: 49/28/21-9041; FAX: 49/28/21-9046; TLX: 811817 (SPYCK D).
Other Offices: Little Rock, AK; Augusta, Valdosta, GA; Des Moines, IA; Frankfort, IN; Champaign, Decatur, Galesburg, Granite City, Taylorville, IL; Fredonia, KS; Mankato, MN; N. Kansas City, Mexico, MO; Clarksdale, MS; Fremont, Lincoln, NE; Fostoria, OH; Kershaw, SC; Windsor, Ontario, CANADA (ADM Agri-Industries, Ltd. d/b/a/ Maple Leaf Monarch); Rotterdam, NETHERLANDS (A.D.M. Company Europe); Europoort, NETHERLANDS (A.D.M. Europoort).
CONTACT: Hank Kant, Mgr.
Solvent extraction; crude soybean oil, meal; served by barge.

A.D.M. Oelwerke Spyck *C*
Affiliate of Archer Daniels Midland Co.
Post Kleve, Postfach 2080, D-4190 Kleve, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2821-995150; FAX: 49/2821-995150.
CONTACT: Hoe Nefzger, Plant Mgr.
PLANT SUPERINTENDENT: Hoe Nefzger
Solvent extraction; crude degummed soybean oil, crude soybean oil, meal; served by truck and barge.

Akzo Chemicals *R SF IP*

Industriestrasse 10, P.O. Box 1520, D-4240 Emmerich/Rhein, GERMANY, FEDERAL REPUBLIC OF; PH: 49/02822-74341; FAX: 49/02822-74203; TLX: 8125212 (NVL D).
CONTACT: F. Kielman, Sales Mgr.
Edible soy oil products, refined soybean oil; served by truck, rail and barge. Soy oil products, cooking/salad oil; salad dressing. Soy oil (industrial grade), soy standoils, blown and boiled soy oils for resins, paints and varnishes; soy sterols & tocopherols; soybean fatty acids.

Georg Breuer Food Agency ★ *SF*

Talstrasse 19, D-6242 Kronberg, GERMANY, FEDERAL REPUBLIC OF; PH: 49/6173/79706; FAX: 49/6173/2243.
CONTACT: Georg Breuer, Owner
Simulated meat products (analogs); soy fiber; soy flour; full fat soy flour; textured soy flour; soy grits; soy protein concentrates; soyfoods, other soy-based foods, special mixes for the baking & meat industries; all vegetable food items.

Brökelmann & Company, Oelmühle GmbH & Company ★★ *C R*

Speicherstr. 14-18, Postfach 12 91, D-4700 Hamm 1, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2381/4260; FAX: 49/2381/42646; TLX: 828843 (BUC D).
CONTACT: Dieter Geissler, Prokurist
PLANT SUPERINTENDENT: Manfred Knuth
Solvent extraction; crush cap. 600MT/day; storage cap. 35,000MT; animal/livestock feed, crude degummed soybean oil; served by barge, rail, ship and truck. Refining cap. 250MT/day; storage cap. 3,000MT; refined soybean oil; served by barge, rail, ship and truck.

Cereol Deutschland GmbH ★ *C R SF IP*

Affiliate of Cereol Brussels
Bonadiesstraße 3 - 5, Mannheim 6800, GERMANY, FEDERAL REPUBLIC OF; PH: 49/621/37040; FAX: 49/621/3704-109; TLX: 463031.
CONTACT: Evert G. van Korlaar, Gen. Mgr.
Solvent extraction; crush cap. 3,700MT/day; storage cap. 18,000MT; animal/livestock feed, crude degummed soybean oil, hulls, meal; served by barge, rail and truck. CONTACT: Eckhart Roer. **Refining cap. 500MT/day; storage cap. 2,000MT; crude degummed soybean oil, edible soy oil products, industrial oil products, refined soybean oil; served by barge, rail and truck. CONTACT:** Eric Charuel. **BOLEC lecithin (edible grade). BOLEC lecithin (industrial grade); soy oil (industrial grade); soybean fatty acids. CONTACT:** Evert G. van Korlaar.

Edelsoja GmbH ★ *SF*

Ausschlaeger Elbdeich 62, P.O. Box 26 16 65, D-2000 Hamburg 26, GERMANY, FEDERAL REPUBLIC OF; PH: 0049/40/789550; FAX: 0049/40/789-8329; TLX: 2163220 (MEYER D).
Other Offices: Decatur, IL; Chester, ENGLAND; Zaandam, NETHERLANDS; BELGIUM; Vigonza, ITALY; Le Blanc Mesnil, Cedex, FRANCE; Barcelona, SPAIN; Campinas, BRAZIL
SOYAMIN 90 isolated soy protein; NURUFLAKES soy fiber; NURUPAN, NURULAT soy flour; SOYAPAN full fat soy flour; TEXTRATEIN textured soy flour; NURUGRAN soy grits; SOYAMIN 70 soy protein concentrates. CONTACT: Karl-Otto Tielker, Man. Dir.

See Our Advertisement P. 1

Fritz Homann Lebensmittelwerke GmbH & Company K.G. ★ *SF*

Bahnhofstraße 4, P.O. Box 1180, Dissen a.T.W. 4503, GERMANY, FEDERAL REPUBLIC OF; PH: 0542-1311; FAX: 05421-2939; TLX: 94311 (HOMAD D).
CONTACT: Friedrich Gervelmeyer, Einkaufsleiter
Soy oil products, cooking/salad oil; margarine; salad dressing; shortening.

Interfood Deutschland GmbH *SF*

Affiliate of Interfood Luxembourg S.A.
Louisenstrasse 120, P.O. Box 1751, Bad Homburg D-6380, GERMANY, FEDERAL REPUBLIC OF; PH: 49/6172/40100; FAX: 49/6172/459057; TLX: 415840 (FOOD D).
CONTACT: Hans D. Kneer, Man. Dir.
Soyfoods, soymilk, drinks or beverages; soynuts (whole soybean snacks); other soy-based foods, sports nutrition products; all vegetable food items.

Lucas Meyer GmbH & Company ★ *C R SF IP*

Ausschlaeger Elbdeich 62, P.O. Box 26 16 65, D-2000 Hamburg 26, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/789550; FAX: 49/40/789-8329; TLX: 2163220 (MEYER D).
Other Offices: Oudenaarde, BELGIUM; Campinas, BRAZIL; Chester, ENGLAND; Le Blanc Mesnil, Cedex, FRANCE; Vigonza, ITALY; Zaandaui, NETHERLANDS; Barcelona, SPAIN; Decatur, IL
CONTACT: Jens Heiser, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy protein; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN, EMULTHIN, EPICHOLIN, EPIKURON lecithins (edible grade); SOYAMIN 50 soy flour; SOYAPAN, NURUPAN full fat soy flours; SOYOCO full fat soya kernels; SOVITAL soya bran; NURUGRAN full fat soya grits; NURULAT full fat soya powder; SOYAMIN 70 soy protein concentrates; VEGAFOOM soya protein, whipping; TEXTRATEIN textured soy protein; soyfoods, NURAFLAKES soya flakes (full fat). CONTACT: Tilman Graf. **LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather, magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids. CONTACT:** Thomas Arnold.

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Noblee & Theorl GmbH ★ *R SF*

Seehafenstrasse 24, P.O. Box 900752, D-2100 Hamburg 90, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/76693-0; FAX: 49/40/7669311-1; TLX: 217713 (NOBL D).
CONTACT: Rolf Spindler, Purchasing Mgr.
Fractionated soy oil, hydrogenated soy oil, refined soybean oil; served by truck, rail, barge and ship. Soy oil products, cooking/salad oil; shortening.

O. & L. Seis *C R SF IP*

Duesseldorfer Street 99-101, Postfach 101348, D-4040 Neuss/Rhein, GERMANY, FEDERAL REPUBLIC OF; PH: 02101/27990; TLX: 8517835 (SELS D).
CONTACT: Otto Seis, Owner
Continuous screw press, solvent extraction; crush cap. 2,100MT/day; storage cap. 27,000MT; crude degummed soybean oil, crude soybean oil, meal; served by barge, rail, ship and truck. CONTACT: Gerhard Struenck. **Refining cap. 250MT/day; storage cap. 20,000MT; crude degummed soybean oil, refined soybean oil; served by truck, rail, barge and ship. Soy oil products, cooking/salad oil; salad dressing. Lecithin (industrial grade); soy sterols & tocopherols; soybean fatty acids. CONTACT:** Josef Kerres.

Oelmüehle Hamburg AG ★ *C R*

Kohlbrandstrabe 1, Nippoldstr. 117, P.O. Box 930320, D-2102 Hamburg 93, GERMANY, FEDERAL REPUBLIC OF; PH: 49/040/751-9420; FAX: 49/407/519-4300; TLX: 2163537 (OLAG D).
CONTACT: Arnd V. Wissel, Dir.
PLANT SUPERINTENDENT: Rulf Schneider
Solvent extraction; crush cap. 6,000MT; crude degummed soybean oil, meal; served by barge, rail, ship and truck. Refined soybean oil; served by truck, rail, barge and ship. CONTACT: Mr. Wegener.

Walter Rau, Neusser Oel und Fett AG ★★ *R SF IP*

Industriestrasse 36-40, P.O. Box 10 12 48, D-4040 Neuss 1, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2101/2080; FAX: 49/2101/208246; TLX: 8517827 (RAU D).
CONTACT: Claus F. Kiefer, Man. Dir.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

Refining cap. 1,000MT/day; storage cap. 18,000MT; edible soy oil products, hydrogenated soy oil, industrial oil products; served by truck. Soy oil products, shortening. Soybean fatty acids. CONTACT: Sales Dept.

A. Saumweber GmbH ★ *SF*

Emil-Geis-Strasse 3-7, P.O. Box 701608, 8000 Munchen 70, GERMANY, FEDERAL REPUBLIC OF; PH: 49/89/7232026; FAX: 49/89/7238387; TLX: 523556 (ASAUM D).
CONTACT: Alexander Szép, Purchasing Mgr.
Soy oil products, cooking/salad oil; margarine; shortening.

Soya Mainz GmbH & Company Kommanditgeselischaft ★ *C R SF IP*

Dammweg 2, Mainz D-6500, GERMANY, FEDERAL REPUBLIC OF; PH: 49/06131/8950; FAX: 49/06131/834104; TLX: 4187-761 (SM D).
CONTACT: Dieter Berres
Solvent extraction; crush cap. 2,500MT/day; crude degummed soybean oil, hulls, meal; served by barge, rail and truck. Refining cap. 300MT/day; storage cap. 300MT; crude degummed soybean oil, refined soybean oil; served by barge, rail and truck. Lecithin (edible grade). Lecithin (industrial grade); soy oil (industrial grade); soybean fatty acids.

Stern-Chemie *SF IP*

An der Alster 81, D-2000 Hamburg 1, GERMANY, FEDERAL REPUBLIC OF; PH: 040/248-3001; FAX: 040/280-3427; TLX: 2162-052 (STAR D).
CONTACT: Jürgen Wörner, Pres.
STERNBEST 90 isolated soy proteins; STERNCITHIN, STERNPUR, STERNPHIL, STERNMULS lecithin (edible grade); STERNBRAN soy fiber; STERNPRO 50 soy flour, STERNPAN 40 T-STERNSOY full fat soy flour; soy grits; STERN-PRO 70 soy protein concentrates; soyfoods, STERNNUTS soynuts (whole soybean snacks). STERNCITHIN lecithin (industrial grade).

C. Thywissen GmbH ★ *C R SF*

Industriestrasse 34, P.O. Box 10 14 54, D-4040 Neuss/Rhein 1, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2101/26041; FAX: 49/2101/25084; TLX: 8517803 (THYW D).
CONTACT: Matthias Fischer, Gen. Mgr., Soybeans
Solvent extraction; crush cap. 1,00MT/day; storage cap. 25,000MT; crude degummed soybean oil, crude soybean oil, meal; served by barge, rail, ship and truck. Refining cap. 200MT/day; storage cap. 20,000MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck, rail, barge and ship. Lecithin (edible grade); soy oil products, cooking/salad oil.

Tofukost-Werk TKW GmbH ★ *SF*

Siemensweg 1, P.O. Box 3212, 4724 Wadersloh-Diestedde, GERMANY, FEDERAL REPUBLIC OF; PH: 49/02520/1300; FAX: 49/02520/8955.
CONTACT: Hermann Berief, Pres.
Soy oil products, salad dressing; soyfoods, soymilk, drinks or beverages; tofu & tofu products.

GREECE

Biotrek S.A. *SF*

52 Pondou Street, Athens 11527, GREECE; PH: 30/1/770-8625; FAX: 770-4539; TLX: 218971 (PHAL GR).
CONTACT: John Lewis, Pres.
Simulated meat products (analogs), dry mix; soyfoods, soymilk, drinks or beverages, dry mix; other soy-based foods, diet, geriatric, athletic and other special nutrition products.

Soya Hellas S.A. *C IP*

MAIN OFFICE: 48, Voukovrestiov Street, Athens 10673, GREECE; PH: 30/1/363-3663; TLX: 224893 (SOYA GR).
Other Offices: Psachna - Evia (Plant)
CONTACT: Dimitriou Stelios, Man. Dir.
Solvent extraction; crush cap. 750MT/day; storage cap. 100,000MT; animal/livestock feed, crude degummed soybean oil, meal; served by ship and truck. SUPER SOYA full fat soy flour/soy protein (industrial grade) for animal feed.

Soya Hellas S.A. *C*

Psachna - Evia, Psachna 34400, Evia, GREECE; PH: 0228/22771-2; TLX: 272101(SOYA GR).
CONTACT: Giannakopoulos Andreas, Sales Dept.
PLANT SUPERINTENDENT: John Pardavellas
Solvent extraction; crude degummed soybean oil, meal; served by truck and ship. CONTACT: John Pardavellas, Plant Mgr.

GUATEMALA

Alimentos S.A. *SF*

Carretera a San José Pinula, Km. 14.5, P.O. Box 8, Guatemala City 01973, GUATEMALA; PH: 502/9/30-12-66 or 30-12-68; FAX: 502/9/30-18-16.
CONTACT: Carlos F. Tejada, Gen. Mgr.
PROTEMAS simulated meat products (analogs) in 150 gram and 25 pound bags.

OLMECA S.A. *C R SF*

1/2, Carretera a El Salvador, Km. 16, Apartado Postal 1463, Guatemala City, GUATEMALA; PH: 502/030/1946; TLX: 6356 (OLMECA).
CONTACT: Jose Luna, Prod. Mgr.
Continuous screw press, solvent extraction; crush cap. 200MT/day; storage cap. 8,000MT; meal; served by truck. Refining cap. 100MT/day; storage cap 6,000MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil; served by truck. Soy oil products, OLMECA cooking/salad oil; CREMY margarine (dietetic); OLMECA margarine (normal); OLMECA shortening.

HONDURAS

Proteinas y Grasas S.A. (PROGRASA) ★ *C R SF*

P.O. Box 30103, Comayaguela, HONDURAS; PH: 504/340219; FAX: 340281; TLX: 1675 (MOLIM HO).
CONTACT: René Morales, Pres.
Solvent extraction; crush cap. 150MT/day; storage cap. 8,000MT; animal/livestock feed, crude degummed soybean oil, hulls, meal; served by rail and truck. Refining cap. 90MT/day; storage cap. 3,600MT; edible soy oil products, hydrogenated soy oil; served by rail and truck. Soy oil products, cooking/salad oil; margarine.

HONG KONG

The Vitasoy International Holdings Ltd. ★ *SF*

1 Kin Wong Street, Tuen Mun, N. T., HONG KONG; PH: 852/0/466-0333; FAX: 852/0/456-3441; TLX: 52252 (VITTA HX).
Other Offices: Brisbane, CA (Vitasoy, USA)
CONTACT: Francis Kong, Tech. Dir.
Soyfoods, VITASOY soymilk, drinks or beverages. CONTACT: Terence Ho, Export Mgr.

INDIA

Allana Oil Mills ★ *C R SF IP*

Allana House, 4, Allana Road, Colaba, G.P.O. Box 997, Bombay 400 039,

...harashtra, INDIA; PH: 91/22/287-4455; FAX: 91/22/20[illegible]4821; TLX: 113317 or 1184849 (ALNA IN).
Other Offices: Thana, Maharashtra, INDIA (mfg.)
CONTACT: K. C. Mehta, Dir.
Hydraulic press, solvent extraction; crush cap. 100MT/day; storage cap. 5,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal, white flakes for edible purposes; served by barge, rail, ship and truck. Refining cap. 500MT/day; storage cap 7,000MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. Soy flour, textured soy flour; soy grits; soy oil products, cooking/salad oil. Soy oil (industrial grade) for hydrogenation, paint and chemicals.

Alpine Solvex Limited ★ *C R SF*

10-11 Yeshwant Niwas Road, Indore 452003, Madhya Pradesh, INDIA; PH: 91/0731/37365 to 37369 (5 lines); FAX: 91/22/204-9372; TLX: 735-216 (FOOD IN) or 735-378 (ALSO IN).
Other Offices: New Delhi; Bombay, Maharashtra, INDIA
CONTACT: Jamboo K. Bhandari, Man. Dir.
Solvent extraction; crush cap. 250MT/day; storage cap. 9,000MT; crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by rail, ship and truck. Refining cap. 40MT/day; storage cap. 400MT; crude degummed soybean oil, refined soybean oil; served by truck, rail and ship. Lecithin (edible grade); full fat soy flour; soy grits.
CONTACT: M. C. Badami.

Anupam Extractions Ltd. *C R SF IP*

Borgaon Road, P.O. Box 29, Wardha 442001, Maharashtra, INDIA; PH: INDIA WARDHA 3125 or 2603.
Other Offices: Wardha, INDIA (Ajanta Extractions & Shakti Oil Industries)
Continuous screw press, solvent extraction; storage cap. 100MT; crude degummed soybean oil, crude soybean oil, meal; served by rail and truck. Storage cap. 20MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by rail and truck. Soy oil products, cooking/salad oil. Soy oil (industrial grade); soybean fatty acids.

Bhavnagar Vegetable Products Unit *C R SF IP*

Affiliate of The National Dairy Development Board
Bunder Road, Bhavnagar 364001, Gujarat, INDIA; PH: 91/200/0278-29693; TLX: 0182-222.
CONTACT: Kirti K. Soni, Asst. Gen. Mgr.
Continuous screw press, solvent extraction; crush cap. 150MT/day; crude soybean oil, meal; served by rail, ship and truck. Refining cap. 40MT/day; hydrogenated soy oil, refined soybean oil; served by rail, ship and truck. Soy oil products, SULABH cooking/salad oil; PRABHAT margarine. Soybean fatty acids.

Bombay Extractions Ltd. *C R*

Daya Mandir, 1st Floor, 123-25 Mumbadevi Road, Bombay 400003, INDIA; PH: 328259 or 328859 or 339865; TLX: 11-75472 (BELL IN).
CONTACT: C. J. Rajappan, Mgr.
Solvent extraction, crush cap. 100MT/day; storage cap. 3,000MT; crude degummed soybean oil, crude soybean oil; served by ship. Refining cap. 15MT/day; storage cap. 2,000MT; crude degummed soybean oil, refined soybean oil; served by ship.

Foods Fats & Fertilisers Ltd. *C R*

Tanuku Road, P.O. Box 15, Tadepalligudem 534 101, Andhra Pradesh, INDIA; PH: 2571 (4 lines), 2525; FAX: 9144-863022 (Madras); TLX: 04705-202 (FFF IN).
Other Offices: Madras, Tamilnadu; Bombay, Maharashtra; Calcutta, West Bengal; Hyderabad, Andhra Pradesh; Kakinada, Andhra Pradesh
CONTACT: Sushil Goenka, Vice Pres.
Solvent extraction; crude degummed soybean oil, crude soybean oil, meal; served by rail and truck. Refined soybean oil; served by truck and rail

General Foods Limited ★ *C R SF IP*

101, Mahakosh House, 7/5 S Tukoganj, Opp. Nath Mandir, Indore 452 001, M.P., INDIA; PH: 91/0731/23281 (5 lines); FAX: 91/0731/32168; TLX: 0735-203 (MSS IN) or 011-3273 (GFPL IN).
Other Offices: Bombay, Maharashtra, INDIA
CONTACT: Suresh Shahra
Solvent extraction; crush cap. 350MT/day; storage cap. 15,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil; served by rail, ship and truck. Refining cap. 75MT/day; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. Lecithin (edible grade); soy flour; full fat soy flour; textured soy flour; soy grits; soy oil products, cooking/salad oil. Lecithin (industrial grade); soy flour/soy protein (industrial grade); soy oil (industrial grade).

Indovita Proteins (P) Ltd. *SF*

SA-66, Shastri Nagar, Ghaziabad 201001, U.P., INDIA; PH: 0091/0118-42217 or 44450.
Other Offices: Ghaziabad, U.P.; New Delhi, N.D.; Azamgarh, U.P.
CONTACT: Pawan Swarup, Dir.
Soyfoods, SUPER SOY soymilk, drinks or beverages; SUPER SOY (Soya Paneer) tofu & tofu products; SUPER NUTS fried/roasted soynuts (whole soybean snacks); other soy-based foods, SUPER SOY yogurt; burger vegetables; tea snacks.

Kapil Agro Ltd. *C*

36 Chowringhee Road, Calcutta 700071, West Bengal, INDIA; PH: 091/033/291758; TLX: 0217412 (IJCA IN).
Other Offices: Narsinghpur, M.P., INDIA (mfg.)
CONTACT: H. K. Jalan, Dir.
Meal.

Kapil Agro Ltd. *C*

Kheri-Keda Village, National Highway 26, P.O. Box 23, Narsinghpur 487001, M.P., INDIA; PH: 294 or 295 or 296; TLX: 0765-285 (MPCC IN).
CONTACT: H. K. Jalan, Dir.
Solvent extraction; crush cap. 150MT/day; storage cap. 400MT; crude degummed soybean oil, crude soybean oil, fully reined oil, meal, once refined oil; served by rail and truck.

Jai Kisan Agro Products ★ *C*

C/3-4 Sanver Road, Industrial Estate, Indore 452003, M.P., INDIA; PH: 91/731/35458.
Other Offices: Halol, Gujrat, INDIA (Protein Feeds & Foods, Pvt. Ltd.)
CONTACT: Ashok Badjatiya, M.D.
Animal/livestock feed; served by rail or truck.

Krishna Oil Extractions Ltd. (KOEL) ★ *C R*

14/15 Jaora Compound, 1st Floor, Indore 452001, M.P., INDIA; PH: 0731/68773 or 68607 or 68628; TLX: 0735-262 (KOEL IN).
Other Offices: Rajgarh (Biora), M.P. (mfg.); Raipur, M.P. (office)
CONTACT: Om Prakash Goel, Dir.
Crush cap. 200MT/day; storage cap. 10,000MT; crude soybean oil, meal; served by rail and truck. Refining cap. 30MT/day; storage cap. 200MT; refined soybean oil; served by truck and rail.

M. P. Oil Extraction Ltd. ★ *C R SF*

22/55 Industrial Area, Raipur 493 221, M. P., INDIA; PH: 91/771/323670 or 323674 or 324327 or 323175; TLX: 85483 (MPOL) or 0775 224 (MPOL IN).
CONTACT: Suresh D. Manik, Man. Dir.
Solvent extraction; crush cap. 200MT/day; storage cap 6,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal; served by rail, ship and truck. Refining cap. 30MT/day; storage cap. 700MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by rail, ship and truck. Soy oil products, TAKAT cooking/salad oil.

The Malwa Vanaspati & Chemical Company Ltd. ★ *C R SF IP*

Mohatta Nagar, Indore 452003, M.P., INDIA; PH: 91/731/23251; TLX: 735-228 (MVCC IN).
CONTACT: D. N. Deora, Pres.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

Solvent extraction; crush cap. 125MT/day; storage cap. 4,000MT; crude soybean oil, meal; served by rail, ship and truck. Refining cap. 100MT/day; storage cap. 400MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck, rail and ship. Soy oil products, cooking/salad oil; soyfoods, flakes or cake (de-oiled). Soy oil (industrial grade); soybean fatty acids.

Narsingh Extraction & Allied Products Pvt. Ltd. *C*

1282 Gupteshwar Road, Madan Mahal, Jabalpur 482001, INDIA; PH: 28542; TLX: 765283 (NEXT IN).
Other Offices: Narsinghpur, INDIA (mfg.)
CONTACT: L. S. Chhabra, Exec. Dir.
Solvent extraction; crush cap. 100MT/day; crude soybean oil, meal; served by rail and truck.

Nav Maharashtra Chakan Oil Mills *C R SF*

MAIN OFFICE: 42/43, Shankar Sheth Road, P.O. Box 1427, Pune 411037, Maharashtra, INDIA; PH: 91/0212/650406 or 650407 or 650408 or 650605; FAX: 212/650411; TLX: 0145349 (NMC IN).
Other Offices: Sangli, Maharashtra
CONTACT: Shantilal R. Lunkad, Partner
Continuous screw press, solvent extraction; crush cap. 200MT/day; storage cap. 15,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal, white flakes for edible purposes; served by truck. Refining cap. 50MT/day; storage cap. 200MT; crude degummed soybean oil, refined soybean oil; served by tanker. Soy oil products, PRAKASH refined cooking/salad oil.

Nav Maharashtra Chakan Oil Mills *C*

E-6, Kupad Block, M.I.D.C., Sangli, Maharashtra, INDIA; PH: 66406 or 66407; TLX: 145349 (NMC IN).
CONTACT: Shantilal R. Lunkad, Partner
Solvent extraction; crush cap. 200MT/day; storage cap. 10,000MT; animal/livestock feed, crude soybean oil, fully refined oil, meal; served by rail and truck.

Oswal Agro Mills Ltd. *C R SF*

Gopala Towers, 2nd Floor, 25 Rajendra Place, New Delhi 110008, INDIA; PH: 571-5103; FAX: 572-2406; TLX: 031-61553 (OAM IN).
Other Offices: Ludhiana; Punjab; Bhopal, M.P. (Plants)
CONTACT: K. L. Jain, Dir.
Solvent extraction; crush cap. 450MT/day; storage cap. 75,000MT; animal/livestock feed, meal; served by rail and truck. Refining cap. 75MT/day; storage cap. 2,000MT; refined soybean oil; served by rail, truck. Soy oil products, cooking/salad oil.

Premier Industries (India) Ltd. ★ *C R SF IP*

107, Chetak Centre, 12-2, R.N.T. Marg, Indore 452001, M. P., INDIA; PH: 91/0731/38705; TLX: 0735-306 (PREM IN).
Other Offices: Bombay
CONTACT: Girdharilal Agrawal, Chman.
Solvent extraction; crush cap. 400MT/day; storage cap. 25,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal, white flakes for edible purposes; served by rail, ship and truck. Refining cap. 25MT/day; storage cap. 1,200MT; crude degummed soybean oil, edible soy oil products; served by rail and truck. PREMIER soy fiber; PREMIER soy flour; PREMIER full fat soy flour; PREMIER textured soy flour; PREMIER soy grits; soyfoods, TUFFY soymilk, drinks or beverages. Full fat soy flour/soy protein (industrial grade). CONTACT: Ramesh Agrawal.

Prestige Foods Limited ★ *C R SF IP*

30, Joara Compound, M.Y.H. Road, Indore 452 001, M. P., INDIA; PH: 91/731/68201-206; FAX: 91/731/464106; TLX: 0735-205 (PFM IN).
Other Offices: Bombay; New Dehli; INDIA
CONTACT: Nemnath N. Jain, Chman. & Man. Dir.
PLANT SUPERINTENDENT: J. S. Chaudhuri
Solvent extraction; crush cap. 1,250MT/day; storage cap. 50,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal; served by barge, rail, ship and truck. CONTACT: Davish Jain, Joint Man. Dir. **Refining cap. 100MT/day; storage cap. 5,000MT; crude degummed soybean oil, refined soybean oil products; served by truck. CONTACT:** G. D. Bhatt, Gen. Mgr. (Comm.). **Lecithin (edible grade); soy flour; soy grits; soy oil products, cooking/salad oil. CONTACT:** R. K. Surana, Mkting. Mgr. **Soy sterols & tocopherols. CONTACT:** Manmath Patni, Prod. Dev. Mgr.

Rajasthan Vanaspati Products Ltd. *C*

Hamirgarh Road, P.O. Box 1, Bhilwara 311001, Rajasthan, INDIA; PH: 6416; TLX: 302211 (RAJVP).
CONTACT: K.K. Mansingka, Man. Dir.
Solvent extraction; crush cap. 100MT/day; storage cap. 1,000MT; crude soybean oil, meal; served by rail and truck.

Schokhi Industrials Pvt. Ltd. ★ *C*

Schokhi House, Ground Floor, French Bridge, Opera House JN, Bombay 400 007, Maharashtra, INDIA; PH: 91/22/380158 or 368255; FAX: 91/22/287-1771; TLX: 1174535 (SOKI IN).
CONTACT: Nitin Goel, Dir.
Solvent extraction; animal/livestock feed, meal.

Shree Mansingka Oil Mills Ltd. *C R*

Mansingka Chambers, 258 Kalbadevi Road, Bombay 400002, Maharashtra, INDIA; PH: 22/316734 or 316640; TLX: 11-4401 (SMOM IN).
Other Offices: Khandwa, M.P., INDIA
Solvent extraction; crush cap. 150MT/day; storage cap. 6,000MT; crude soybean oil; served by rail or truck. Refining cap. 50MT/day; storage cap. 600MT; edible soy oil products, refined soybean oil; served by rail or truck.

Soy Food Centre *SF*

A Unit of Networks Pvt., Ltd.
113/121 Swaroop Nagar, Kanpur 208002, U.P., INDIA; PH: 244311.
CONTACT: R. P. Gupta, Dir.
Soyfoods, BOON frozen desserts; BOON soymilk, drinks or beverages; BOON tofu.

Swalka Oil Mills ★★ *C R*

18B Brabourne Road, Calcutta 700001, W. Bengal, INDIA; PH: 91/033/264290 or 264291 or 264292; TLX: 0214540 (SOMIN).
Other Offices: Liluah, Howral, W. Bengal
CONTACT: B. Swiaka
PLANT SUPERINTENDENT: L. K. Pandey
Solvent extraction; crush cap. 100MT/day; storage cap. 3,000MT; crude soybean oil; served by rail, ship and truck. Refining cap. 30MT/day; storage cap. 500MT; refined soybean oil; served by rail and truck.

When Contacting A Company Through The Use Of These Listings, Please Be Sure To Tell Them *"I Saw Your Listing In The Soya Bluebook".*

Thank You

The Tata Oil Mills Company Ltd. ★ *SF*

Bombay House, 24 Homi Mody Street, Bombay House, Bombay 400 001, INDIA; PH: 91/22/204-9926; TLX: 112617 (TATA IN).
Other Offices: Bombay (Sewri Mills, mfg.)
CONTACT: G. S. Sabnis, Exec., Protein Foods Div.
PROTIMITE isolated soy protein (85 to 90% purity); soyfoods, INFAFANT FOOD (Proma) soymilk, drinks or beverages, lactose free.

Tri-Star Soya Products Ltd. ★ *C R SF*

111-A, Raheja Chambers, 213 Nariman Point, Bombay 400021, INDIA; PH: 2045715 or 2045576; TLX: 11-4953 (MOPL IN).
CONTACT: Mahendra Mansingka, Man. Dir.
Solvent extraction; crush cap. 500MT/day; storage cap. 25,000MT; crude soybean oil, hulls, meal; served by rail and truck. Refining cap. 50MT/day; storage cap. 1,200MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck and rail. Soy oil products, TRI-SOYA cooking oil.

United Soya Products Ltd. ★★ *C R SF IP*

Mandideep, Bhopal, M. P., INDIA; PH: 900/91/135, 550295; TLX: 705406 (POLY-IN).
CONTACT: R. N. L. Chaturvedi, Factory Mgr.
Solvent extraction; crush cap. 350MT/day; storage cap. 15,000MT; crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by rail and truck. Refining cap. 70MT/day; storage cap. 10,000MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by rail and truck.
CONTACT: Dr. B Misra. **Soy flour; soy oil products, TEACHER cooking/salad oil. Lecithin (industrial grade); soy oil (industrial grade) for vanaspati and refining; soybean fatty acids for soap.**
CONTACT: R. N. L. Chaturvedi.

Vippy Solvex Products Ltd. ★ *C R SF IP*

28 Industrial Area, A.B. Road, Fewas 455 001, M.P., INDIA; PH: 91/2582; TLX: 732201 (VSP IN).
CONTACT: Prakash C. Mutha, Mgr. Dir.
Solvent extraction; crush cap. 100MT/day; crude soybean oil, meal; white flakes for edible purposes; served by rail and truck. Refining cap. 70MT/day; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck and rail. Soy flour; soy grits. Lecithin (industrial grade); full fat soy flour/soy protein (industrial grade); soy oil (industrial grade).

Vishwa Oil Products, Ltd. *C R*

258 Kalbadevi Road, Mansingka Chambers, Bombay 400002, Maharashtra, INDIA; PH: 259-575; TLX: 011-6926 (VOPL IN).
CONTACT: S. Sushill K. Mansingka, Man. Dir.
Solvent extraction; crush cap. 300MT/day; storage cap. 5,000MT; meal; served by truck. Refining cap. 50MT/day; storage cap. 350MT; refined soybean oil; served by truck.

INDONESIA

P. T. Salim Graha *SF*

Jalan Raya Bekasi, Km. 27, Pondok Ungu, P.O. Box 140 Bekasi, Bekasi 17132, West Java, INDONESIA; PH: 62/21-511258 or 971645 or 971933; FAX: 62/21-971929 or 346558; TLX: 48523 (SGFOOD IA).
CONTACT: Ario Mahendra, Mkting. Dir.
Soyfoods, YEO'S soymilk, drinks or beverages.

IRELAND

William Connolly & Sons Ltd. ★ *C SF IP*

Red Mills, Goresbridge, County Kilkenny, IRELAND; PH: 353/503-75144; FAX: 353/503-75378; TLX: 6-60645 (WCSL EI).
CONTACT: William V. Connolly, Man. Dir.
Extruders; crush cap. 160MT/day; storage cap. 5,000MT; animal/livestock feed; served b truck. RED MILLS full fat soy flour. Full fat soy flour/soy protein (industrial grade) for animal feed.

A. W. Ennis Ltd. ★ *C SF*

Ballyconnell Mills, Ballyconnell, Cavan, IRELAND; PH: 049/26158 or 26104; FAX: 049/26445.
CONTACT: Desmond Ennis, Mgr.
Jet sploder; crush cap. 40MT/day; storage cap. 250MT; animal/livestock feed; served by truck. ERIN full fat soy flour.

ISRAEL

Etz-Hazayith Ltd. *C R SF IP*

Subsidiary of Koor Foods Ltd.
1 Shenkar Street, P.O. Box 193, Petah Tikva 49101, ISRAEL; PH: 972/3-925-6256 or 6237 or 6337; FAX: 972/3-925-6286; TLX: 381125 (ETZHL IL).
CONTACT: Shaul Feigenboim, Comm. Mgr.
Continuous screw press, solvent extractio; crush cap. 600MT/day; storage cap. 21,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck. Refining cap. 120MT/day; storage cap. 2,750MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by truck. Lecithin (edible grade); soy flour; soy oil products, C.D. cooking/salad oil; margarine; shortening. Lecithin (industrial grade); soy flour (industrial grade); soy oil (industrial grade).

Israel Export & Trust Corp. *C*

13 Carlebach Street, P.O. Box 20236, Tel Aviv 61200, ISRAEL; PH: 972/3/299102; TLX: 33460 (OILEX).
CONTACT: Abraham Lender, Gen. Dir.
Crude soybean oil, meal.

Izhar Industries (2000) Ltd. *C R SF*

P.O. Box 823, Tel Aviv 61007, ISRAEL; PH: 972/8/557677; FAX: 972/8/551145; TLX: 33441 (OCEAN).
CONTACT: Michael Mitelman, Mgr.
Solvent extraction; crush cap. 600MT/day; storage cap. 20,000MT; crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by truck. Refining cap. 120MT/day; storage cap. 8,000MT; hydrogenated soy oil, industrial oil products, refined soybean oil; served by truck. Lecithin (edible grade); soy oil products, cooking/salad oil; margarine; shortening; soy protein concentrates.

Koor Foods Ltd.

2 Tovim Street, P.O. Box 1597, Haifa 31015, ISRAEL; PH: 972/4-67091; FAX: 972/4-664898; TLX: 46776 (K FOOD IL).
Other Offices: Petah Tikva, ISRAEL
CONTACT: Shaul Feigenboim, Gen. Mgr., Edible Oils

Olivex Ltd. ★ *C R SF IP*

25 Rothschild Blvd., P.O. Box 1498, Tel Aviv 61014, ISRAEL; PH: 972/3/61-4451; FAX: 972/3/61-4455; TLX: 341118, ex 5674 (BXTV IL).
Other Offices: Petah Tikva, ISRAEL (mfg.)
CONTACT: Uriel G. Cegla, Dir.
Continuous screw press, solvent extraction; animal/livestock feed, crude degummed soybean oil; crude soybean oil, hulls, meal; served by truck. Crude degummed soybean oil, edible soy oil products; CHELMONIT lecithin (edible grade) NSPA grades; soy oil products, GOLD OIL cooking/salad oil. Soybean fatty acids.

Shefa Protein Industries Ltd. *SF IP*

Affiliate of Israel Edible Foods Ltd.
Hataâsya St. 12, P.O. Box 39, Arad 80700, ISRAEL; PH: 57/953555 or 955286 or 955416 or 957860; FAX: 972/57-958049; TLX: 5206 (SHEFA IL).
CONTACT: Yosi Harel, Export Mgr.

Simulated meat products (analogs), S.V.P. chips in various sizes, used as meat extender or meat substitute. Soy meal for animal/livestock feed.

Shemen Ind. Ltd. *C R SF IP*

Affiliate of Koor Food Ltd.
P.O. Box 136, Haifa 31000, ISRAEL; PH: 972/3-925-6256 or 6237 or 6337; FAX: 972/3-925-6286.
Solvent extraction; crush cap. 600MT/day; storage cap. 17,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal; served by rail and truck. Refining cap. 70MT/day; storage cap. 2,000MT; crude degummed soybean oil, edible soy oil products, industrial oil products, refined soybean oil; served by truck. Lecithin (edible grade); soy oil products, MEGED cooking/salad oil. Lecithin (industrial grade); soy oil (industrial grade) for the paint industry.

Shemen Industries Ltd./ Etz-Hazayith Ltd.

Affiliate of Koor Foods Ltd.
P.O. Box 193, Petah Tikva 49101, ISRAEL; PH: 972/3-9256256 or 6237 or 6337; FAX: 972/3-9256286.
CONTACT: Shaul Feigenboim, Comm. Mgr.

Solbar Hatzor Ltd. ★ *SF*

P.O. Box 2230, Heavy Industrial Area, Ashdod 77121, ISRAEL; PH: 972/08/561414; FAX: 972/08/561455; TLX: 381885 (SOLBAR IL).
CONTACT: Uri Eshel, Man. Dir.
SOBIT refined soybean fibers; SOLCON, SOLPRO, SOLCAF 70 soy protein concentrates; CONTEX textured soy protein concentrates, chunks, flakes; SOYBAR soy flour, non-toasted, defatted; SOYTEX textured soy flour.

Teth Beth Ltd. ★ *C SF*

3 Galed Street, P.O. Box 147, Petach Tikva 49101, ISRAEL; PH: 972/3/931-3191; FAX: 972/3/934-2446; TLX: 381287 (TB IL).
CONTACT: Ezra Berger, Man. Dir.
Solvent extraction; crude degummed oil, crude oil, edible soy oil products, hydrogenated oil, meal; served by truck. Semi-fluid, unbleached edible lecithin (edible grade); soy oil products, cooking/salad oil; margarine (household, industrial and butter-flavored); shortening.

ITALY

CEREOL Italia S.r.l. ★ *C R*

Via Banchina Molini nº. 18, P. To Marghera 30175, Dir., ITALY; PH: 39/041/930900; FAX: 39/041/920941; TLX: 32-410253.
CONTACT: Pellegrini Gabrio, Dir. Stabilimento
Solvent extraction; crush cap. 800MT/day; storage cap. 30,000MT; crude degummed soybeanoil, crude soybean oil, hulls, meal; served by truck and ship. Refining cap. 150MT/day; storage cap. 4,000MT; crude degummed soybean oil, refined soybean oil; served by truck, barge and ship.

Compagnia Continentale Italiana S.p.A. *C*

Affiliate of Continental Grain Co., USA
Via Sassoferrato, II, Rome 00197, ITALY; PH: 39/6/36901; FAX: 39/6/3690270; TLX: 610065 (FRIBI I).
Other Offices: Ancona, Porto Marghera, ITALY (mfg.)
CONTACT: Ron Anderson (at 212/207-5530 U.S.A.)
Solvent extraction; crush cap. 800MT/day; storage cap. 46,000MT; crude degummed soybean oil, crude soybean oil, meal; served by truck and ship.

EULIP S.R.L. ★★ *SF*

Via Nobel F/A Q. I. SPIP, Parma 43100, ITALY; PH: 39/521/607718; FAX: 39/521/607726, TLX: 531219 (EULIP I).
CONTACT: Cesare Carabelli, Tech. Dir.
PLANT SUPERINTENDENT: Cesare Carabelli
Soyfoods, other soy-based foods, specialty fats.

Industrie Chimiche Italia Centrale S.p.A. (ICIC) ★ *C*

Affiliate of Compagnia Continentale Italiana
Molo Sud, Zona Industriale, Ancona 60100, ITALY; PH: 11/39/71-55771; TLX: 560035 (ICIC A).
CONTACT: Charles L. Nunu
Solvent extraction; crush cap. 1000MT/day; storage cap. 55,000MT; meal; served by truck.

Italiana Olii & Risi S.p.A. ★ *C R SF*

MAIN OFFICE: Via Strada Statale n. 148, Aprilia 04011, Latina, ITALY; PH: 39/06/920-7441; TLX: 680045.
Other Offices: Ravenna; P. To Marghera, ITALY
CONTACT: Sangiorgi Silvano, Dir. Stabilimento
Solvent extraction; crush cap. 1,000MT/day; storage cap. 40,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck, barge and ship. Refining cap. 250MTday; storage cap. 10,000MT; crude degummed soybean oil, refined soybean oil; served by truck, barge and ship. Lecithin (edible grade); soy oil products, cooking/salad oil.

Italiana Olii & Risi S.p.A. ★ *C R SF*

Via Baiona n. 203, Porto Corsini 48100, Ravenna, ITALY; PH: 39/0544/446032; TLX: 550077.
CONTACT: Giuseppe Cellini, Dir. Stabilimento
Solvent extraction; crush cap. 1,500MT/day; storage cap. 120,000MT; crude degummed soybean oil, crude soybean oil, meal; served by truck, barge and ship. Refining cap. 300MT/day; storage cap. 16,000MT; crude degummed soybean oil, once refined soybean oil; served by truck, barge and ship. Soy oil products, cooking/salad oil.

Lucas Meyer SRL ★ *C R SF IP*

Affiliate of Lucas Meyer GmbH & Co., Hamburg
Via Venezia, 34, Vigonza 35010, Padova, ITALY; PH: 0039/49/893-0011; FAX: 0039/49/725033; TLX: 431875 (MEYER I).
Other Offices: Oudenaarde, BELGIUM; Campinas, BRAZIL; Chester, ENGLAND; Le Blanc Mesnil, Cedex, FRANCE; Hamburg, FEDERAL REPUBLIC OF GERMANY; Zaandaui, NETHERLANDS; Barcelona, SPAIN; Decatur, IL
CONTACT: Axel Skulte, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy protein; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN, EMULTHIN, EPICHOLIN, EPIKURON lecithins (edible grade); SOYAMIN 50 soy flour; SOYAPAN, NURUPAN full fat soy flours; SOYOCO full fat soya kernels; SOVITAL soya bran; NURUGRAN full fat soya grits; NURULAT full fat soya powder; SOYAMIN 70 soy protein concentrates; VEGAFOOM soya protein, whipping; TEXTRATEIN textured soy protein; soyfoods, NURAFLAKES soya flakes (full fat). LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather, magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids.

STAR Stabilimento Alimentare S.p.A. *R SF*

Via Matteotti, 142, 20041 Agrate Brianza, Milano, ITALY; PH: 39/655-0451; TLX: 330133.
CONTACT: Uccelli Giacomo, Fat/Oil Technologist
Refining cap. 20,000MT/year; storage cap. 3,000MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck. Soy oil products, cooking salad oil; margarine; shortening.

JAMAICA

Country Farmhouse Soya Products ★ *SF*

Affiliate of The Country Farmhouse Lifeline
12 Faulkner Avenue, Duhaney Park, Kingston 20, JAMAICA; FAX: 809/921-5329.
CONTACT: Marlon B. D'Aguilar, Man. Dir.
Soy oil products, SALADS DELIGHT

salad dressing; frozen desserts; soyfoods, soymilk, drinks or beverages; tofu & tofu products; other soy-based foods, tofu sandwich spread; tofu cream pies.

Jamaica Soya Products Industries Limited ★ *C R*

Rhoden's Pen, P.O. Box 27, Old Harbour, St. Catherine, JAMAICA; PH: 909/983-2244; FAX: 809/983-2217; TLX: 2318 (JANUHOLD).
CONTACT: George A. Neita, Gen. Mgr.
Solvent extraction; crush cap. 300MT/day; storage cap. 10,000MT; crude soybean oil, meal; served by truck. Refining cap. 50MT/day; storage cap. 650MT; once refined soybean oil; served by truck.

JAPAN

Asahi Industries Company, Ltd. *SF*

1-1, 3-Chome, Higashi-Ikebukuro, Toshima-ku, Tokyo 170, JAPAN; PH: 81/03/3989-8921; FAX: 81/03/3987-2170; TLX: 2722662 (SEIBU K J).
CONTACT: Hiroshi Nakai, Asst. Gen. Mgr.
Simulated meat products (analogs); soyfoods, soymilk, drinks, or bevrages; tofu & tofu products.

Asia Protein Company, Ltd. ★ *SF*

Miyamori Palace #118, 4-11-18, Miyamori Chuoku, Sapporo, Hokkaido, JAPAN; FAX: 81/011/644-1759.
Other Offices: Hiroo, Hokkaido, JAPAN (mfg.)
CONTACT: Shigeru "Sam" Chikaarashi, Pres.
Soyfoods, DAIZU FLAKE #1 soy flakes (full fat) for use as a substitute for whole soybeans in soymilk and tofu (deep fried tofu, ajitsuke aburaage).

Fuji Oil Company, Ltd.

MAIN OFFICE: Nissei Midosuji Hachim an-cho Bldg., 2-1-5 Nishi-Shinbashi, Chuo-ku, Osaka 542, JAPAN; PH: 81/06/213-8151; TLX: 522-2057 (FUJIOSJ).
Other Offices: Izumisano City, Kobe (mfg.)
CONTACT: Yukio Miyazawa Sr. Man. Dir.

Fuji Oil Company, Ltd., Han-nan Factory *R SF*

1-Sumiyoshicho, Izumisano City 598, JAPAN; PH: 81/0724/631121.
CONTACT: Tadashi Kuno, Sr. Man. Dir.
Refining cap. 430MT/day; storage cap. 20,000MT; edible soy oil products, industrial oil products, refined soybean oil; served by truck and barge. Isolated soy proteins; simulated meat products (analogs); soy flour; soy oil products, cooking/salad oil; margarine; shortening. CONTACT: Fuji Oil, Osaka.

Fuji Oil Company, Ltd., Kobe Factory *C SF*

18-24, 2-chome, Hamanakacho Hyogo-ku, Kobe 652, JAPAN; PH: 81/078/652-3215.
CONTACT: Kiyomi Taniguchi, Man. Dir.
Solvent extraction; crush cap. 300MT/day; storage cap. 4,000MT; animal/livestock feed, crude soybean oil, meal, white flakes for edible purposes; served by truck and barge. Simulated meat products (analogs); soy flour; soyfoods, tofu. CONTACT: Fuji Oil, Osaka.

Higashimaru Shoyu Company, Ltd. *SF*

100-3, Tominaga, Tatsuno-cho, Tatsuno City 679-41, JAPAN; PH: 81/07916/3/4567.
CONTACT: Takeshi Ishino, Dpty. Dir., Bus. Dept
Soyfoods, HIGASHIMARU soy sauce.

Higeta Shoyu Company, Ltd. *SF*

2-3, Koamicho, Nihonbashi, Chuo-ku, Tokyo 103, JAPAN; PH: 81/03/3669-1441.
CONTACT: Keigi Yamashita, Dir., Mkt. Dev.
Soyfoods, HIGETA soy sauce.

Honen Corporation *C R SF*

Mitusi Seimei Building 2-3, 1-Chome Ohtemachi, Chiyoda-ku, Tokyo 100, JAPAN; PH: 81/3/3213-1868; FAX: 81/3/3212-5090; TLX: 222-3084 (HOHEN J).
CONTACT: Yoichi Nakajima
Solvent extraction; crush cap. 2,000MT/day; storage cap. 100,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal; served by barge, ship, truck. CONTACT: Main Office. **Refining cap. 400MT/day; storage cap. 100,000MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by barge and truck. Lecithin (edible grade); full fat soy flour; soy oil products, cooking/salad oil.**

Kibun Food Chemifa Company, Ltd. *SF*

3-2-5 Shinbashi, Minato-ku, Tokyo 105, JAPAN; PH: 81/03/3591-4381; TLX: 2223183 (KIBUNF J).
CONTACT: Kazuo Nakanishi, Dpty. Mgr.
Soyfoods, frozen desserts; KIBUN soymilk. CONTACT: S. Hoashi.

Kikkoman Corporation *SF*

1-25, Nishikicho, Kanda, Chiyoda-ku, Tokyo 101, JAPAN; PH: 81/03/3233-5511.
CONTACT: Harehisa Yamano, Dir., Public Relations
Soyfoods, KIKKOMAN soy sauce.

Marukin Shoyu Company, Ltd. *SF*

1-2-5, Shinkawa, Chuo-ku, Tokyo 104, JAPAN; PH: 81/03/3551-9101.
CONTACT: Sadaaki Goto
Soyfoods, MARUKIN soy sauce.

Marusan-Ai Company, Ltd. *SF*

1 Arashita Niki-cho, P.O. Box 444-21, Okazaki, Aichi, JAPAN; PH: 81/0564/45-3111 or 45-6607.
CONTACT: Mitshuiro Isomura
Soyfoods, MARUSAN TONYU frozen desserts (ice cream made from soymilk); MARUSAN miso; soymilk, drinks or beverages; NEMBE soynuts (whole soybean snacks); TAMARI soy sauce; SUKOYAKA tempeh; MARUSAN tofu.

Mitoku Company Ltd. ★ *SF*

Room 257, Tokyo Bldg., 2-7-3 Marunouchi, Chiyoda ku, C.P.O. Box 780, Tokyo 100-91, JAPAN; PH: 81/3/3201-6701; FAX: 81/3/3201-6708; TLX: 34698 (DAISHO J).
CONTACT: Christopher Dawson, Dir., Int'l. Sales & Mkting.
Soyfoods, MITOKU, ONOZAKI, JOHSEN, MANSAN, HATCHO miso; SUPERSOY soymilk., drinks or beverages; JOHSEN, MANSAN, SAKAE soy sauce; SNOW-DRIED TOFU, tofu & tofu products.

Mitsubishi Chemical Industries, Ltd. *SF*

5-2, Marunouchi, 2-Chome, Chiyoda-ku, Tokyo 100, JAPAN; PH: 81/03/3283-6438; FAX: 81/03/3283-6439.
Other Offices: Kurashiki-shi (mfg.)
CONTACT: Nobuhiko Sano, Gen. Mgr., Purchasing Dept.
Soyfoods, MAPRON soymilk.

Nikka Fats & Oils Company, Ltd.

MAIN OFFICE: Meiji Life Insurance Bldg., 1-5-16 Edobori, Nishi-ku, Osaka 550, JAPAN; PH: 81/06/441-7431.
Other Offices: Fukuoka, Nagoya, Osaka, Tokyo (mfg.)
CONTACT: S. Shirakawa, Plant Mgr.

Nikka Fats & Oils Company, Ltd. *C R SF IP*

1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808, Fukuoka, JAPAN; PH: 81/093/761-2635.
CONTACT: Takeshi Hanareiwa, Plant Mgr.

Be Sure Your Company Is Listed In The '92 Soya Bluebook

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

PLANT SUPERINTENDENT: Takeshi Hanareiwa
Continuous screw press, solvent extraction; storage cap. 15,000MT/day; crude soybean oil, hulls, meal; served by truck, barge and ship. Refining cap. 400MT/day; storage cap. 7,000MT; crude degummed soybean oil, refined soybean oil; served by truck, barge and ship. NIKKA MILKY soy flour, S-LIPO full fat soy flour; soy oil products, NIKKA cooking/salad oil; NIKKA ISOPRON soy protein concentrates. BANZAI, TOKSEN-KAIKAMAME soy flour (industrial grade) for feed; soy oil (industrial grade) for paints and inks; soybean fatty acids.

The Nisshin Oil Mills, Ltd. (Japan) *C R SF IP*

23-1, Shinkawa 1-Chome, Chuo-ku, Tokyo 104, JAPAN; PH: 81/03/3555-6605.
Other Offices: Yokohama, Kobe (mfg.)
CONTACT: Takahisa Toyama, Board Dir.
Solvent extraction; crush cap. 3,300MT/day; storage cap. 115,000MT; animal/livestock feed, crude soybean oil, hulls, meal, white flakes for edible purposes; served by barge, rail, ship and truck. Edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by truck, rail, barge and ship. Isolated soy proteins; NISSHIN lecithin (edible grade); simulated meat products (analogs); soy flour; full fat soy flour; textured soy flour; soy grits; soy oil products, cooking/salad oil; margarine; shortening; NISSHIN SOL-P soy protein concentrates; soyfoods, soymilk, drinks or beverages. Lecithin (industrial grade); soy flour/soy protein (industrial grade); soy oil (industrial grade) for paints and inks; soy sterols and tocopherols; soybean fatty acids.

San-Jirushi Corporation *SF*

UN Park Building, Ebisu-Nishi 1-19-6, Shibuya-ku 150, Tokyo, JAPAN; PH: 03/780-5933; FAX: 03/780-5944; TLX: 246-6344.
Other Offices: Mie, Kuwana, JAPAN; San Francisco, CA; Richmond, VA (San-J International, Inc.)
CONTACT: Daikichi Kojima
Soyfoods, miso; soy sauce, Tamari & Shoyu (liquid & dry); other soy-based foods, specialty sauces.

Showa Sangyo Company Ltd.

MAIN OFFICE: 2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, JAPAN; PH: 81/03/3257-2136.
Other Offices: Kashima, Kobe, Yokohama (mfg.)
CONTACT: Mutsuo Kaneharai, Mgr., Oil& Fat Dept.

Showa Sangyo Company, Ltd., Kashima Factory *C R SF IP*

6 Higashi-fukashiba Kamisumachi, Kashima-gun 314-01, Ibaragi, JAPAN; PH: 81/0299/92-1212; TLX: 3658-967.
CONTACT: Yoichi Shirose, Factory Mgr.
Solvent extraction; crush cap. 1,570MT/day; storage cap. 101,900MT; animal/livestock feed, crude degummed soybean oil, meal, white flakes for edible purposes; served by barge, rail, ship and truck. Edible soy oil products, industrial oil products, refined soybean oil; served by truck, rail and barge. Lecithin (edible grade); soy flour; soy oil products, cooking/salad oil. Soy flour/soy protein (industrial grade).

Showa Sangyo Company, Ltd., Kobe Factory *C R SF IP*

5 Mikagehama-cho, Higashinada-ku, Kobe 658, Hyogo, JAPAN; PH: 078/841-4151; TLX: 5622-253.
CONTACT: Kunio Saito, Mgr.
Solvent extraction; crush cap. 1,100MT/day; storage cap. 135,000MT; animal/livestock feed, crude degummed soybean oil, meal, white flakes for edible purposes; served by barge, rail, truck and ship. Edible soy oil products, industrial oil products, refined soybean oil; served by truck, rail, barge and ship. Soy flour; soy oil products, cooking/salad oil. Soy flour/soy protein (industrial grade).

Showa Sangyo Company, Ltd., Tsurumi Factory *R SF IP*

5-39 Daikokuchou, Tsurumi-ku, Yokohama 230, Kanagawa, JAPAN; PH: 81/45/504-5570; FAX: 81/511-1370.
CONTACT: Takeshi Kanazawa, Mgr.
Edible soy oil products, industrial oil products, refined soybean oil; served by truck, rail and barge. Soy flour; soy oil products, cooking/salad oil. Soy flour/soy protein (industrial grade).

Snow Brand Milk Products Company, Ltd. *SF*

13 Honshio-cho, Shinjuku-ku, Tokyo 160, JAPAN; PH: 81/03/3226-2123.
Other Offices: Atugi, Osaka (mfg.)
CONTACT: Tsuguo Itoh, Mgr., Int'l. Dept.
Soy oil products, SNOW BRAND margarine; SNOW BRAND shortening.

Torigoe Flour Milling Company, Ltd. ★ *SF*

Fukuoka Factory, 6-8-8 Hakozaki Futo, Higashi-ku, Fukuoka 812, JAPAN; PH: 81/92/651-3121; FAX: 81/92/651-7478.
CONTACT: Shinji Ito, Plant Mgr.
PLANT SUPERINTENDENT: Shinji Ito
Soyfoods, TORIGOE GOLD tempeh.

Toyo Oil Mills Company, Inc. *C R SF IP*

Subsidiary of Ajinomoto Co. Inc., Tokyo 230-ban, Shinminato, Chiba-shi 260, JAPAN; PH: 81/0472/411251.
CONTACT: Shinichi Takayama, Man. Dir.
Solvent extraction; crush cap. 3,000MT/day; storage cap. 83,000MT; hulls, meal, white flakes for edible purposes; served by truck, barge and ship. Refining cap. 720MT/day; storage cap. 10,000MT; crude degummed soybean oil, edible soy oil products, once refined soybean oil; served by truck, barge and ship. Lecithin (edible grade). CONTACT: Tasuku Oshima, Supt. **Soybean fatty acids. CONTACT:** Dieter Berres.

Yamasa Shoyu Company, Ltd. *SF*

1-23-8, Kakigaracho, Nihonbashi, Chuo-ku, Tokyo 103, JAPAN; PH: 81/03/3668-3171.
CONTACT: Junpei Taguchi, Man. Dir.
Soy oil products, cooking/salad oil.

Yoshihara Oil Mill, Ltd. *SF*

MAIN OFFICE: Mitsuwa Ogawamachi Bldg. 3-7-1, Kanda Ogawamachi, Chiyoda-Ku, Tokyo, JAPAN; PH: 81/03/3291-2632; FAX: 81/03/3291-2640; TLX: 222-2301.
Other Offices: Kobe, Hyoogo, JAPAN (mfg.)
CONTACT: Yasuo Kitamura, Gen. Mgr., Oilseeds Dept.
Soy oil products, cooking/salad oil.

Yoshihara Oil Mill, Ltd. *C R SF*

49 Fukaehamamachi, Higashinada-Ku, Kobe, Hyoogo, JAPAN; PH: 81/078/451-4001; FAX: 078/452-3309.
CONTACT: Yasuo Kitamura, Gen. Mgr., Oilseeds Dept.
Solvent extraction; crush cap. 1,500MT/day; storage cap. 40,000MT; crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by truck, barge and ship. Refining cap. 300MT/day; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck and ship. Soy oil products, GOLDEN SALAD OIL cooking/salad oil.

KOREA, REPUBLIC OF (SOUTH KOREA)

Cheil Food & Chemical Company, Ltd. ★ *C R SF IP*

150, 2-Ka, Taepyong-Ro, Samsung Life Bldg., 17th Floor, Chung-ku, Seoul 100, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/7518-516; FAX: 82/2/7518-529.
CONTACT: Jung S. Kim, Pres. or Joo H. Kim, Dir., Feestuffs and Oilseeds.
Solvent extraction; crush cap. 1,200MT/day; storage cap. 20,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal, white flakes for edible purposes; served by truck and ship. Refining cap. 250MT/day; storage cap. 6,500MT; refined soybean oil; served by truck and ship. Lecithin (edible grade); soy flour; soy grits; soy oil products, cooking/salad oil. Lecithin (industrial grade); soybean fatty acids.

Dong Bang Corporation ★ *C R SF IP*

468 Yi-dong, Chinhae 645-290, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/0553/43-7421; FAX: 82/0553/42/3084.
CONTACT: Jang Hong Yoo
Solvent extraction; crush cap. 1,225MT/day; storage cap. 46,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by truck and ship. Refining cap. 300MT/day; storage cap. 7,600MT; crude degummed soybean oil, edible soy oil products; served by truck. Simulated meat products (analogs); HAEPYO soy flour; HAEPYO textured soy protein; soy oil products, HAEPYO cooking/salad oil; HAEPYO salad dressing. Lecithin (industrial grade) for animal feed); HAEPYO soy flour/soy protein (industrial grade) for textured soy protein.

Dong Bang Corporation ★ *C R SF IP*

178-116, Gajwa-dong Seo-ku, Incheon 404-251, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/032/575-4581; FAX: 82/032/576-2263.
CONTACT: Jang Hong Yoo, Dir.
Solvent extraction; crush cap. 1,000MT/day; storage cap. 24,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by truck and ship. Refining cap. 200MT/day; storage cap. 4,000MT; refined soybean oil; served by truck HAEPYO soy flour; soy oil products, HAEPYO cooking/salad oil; textured soy protein. HAEPYO soy flour/soy protein (industrial grade) for textured soy protein; soybean fatty acids.

Dong Bang Corporation ★ *C R SF IP*

2, 4-Ka, Yangpyung-dong, Youngdeungpo-Ku, C.P.O. 3031, Seoul 150-104, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/676-9121; FAX: 82/2/675-4961 or 675-7339; TLX: K27334 (DBCORP).
Other Offices: Inchon; Chinhae; Pusan
CONTACT: Jang Hong Yoo, Dir.
Solvent extraction; crush cap. 2,225MT/day; storage cap. 64,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, meal, white flakes for edible purposes; served by ship and truck. Refining cap. 500MT/day; storage cap. 12,680MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck. Simulated meat products (analogs); HAEPYO soy flour; HAEPYO textured soybean protein; soy oil products, HAEPYO cooking/salad oil; HAEPYO salad dressing. Lecithin (industrial grade) for animal feed; HAEPYO soy flour/soy protein (industrial grade) for textured soy protein; soybean fatty acids.

Dr. Chung's Foods Company, Ltd. ★ *SF*

1318-2, Kinam Bldg., Seocho-dong, Seocho-ku, Seoul 135, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/553-0821; FAX: 82/2/553-0838; TLX: 29560 (VEGEMIL K).
CONTACT: Kyong M. Kim, Pres.
Soyfoods, VEGEMIL A, B and C, APPLE WOOREAN, CHOCO WOOREAN soymilk, drinks or beverages.

Sam Lip Oil & Fats Company, Ltd. *SF*

159-25 Usanri Yang San Eub, Yang San-Gun, Kyong Sang Nam-do 60010, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/051/44954 or 462-2177; TLX: 787-22153 (ANGELLA K).
CONTACT: Kim Jin Yong, Dir.
Soy oil products, DIET-33 low calorie margarine, DUNKIN'S FRYING shortening.

Sam Yang Oil & Feed Company, Ltd. ★ *C R*

51-1, Susong-cong, Jongro-gu, Seoul 110, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/735-8951; FAX: 82/2/733-6180.
CONTACT: Hea S. Chun, Pres.
Solvent extraction; crush cap. 700MT/day; storage cap. 15,000MT; crude degummed soybean oil, meal; served by truck. Refining cap. 120MT/day; storage cap. 1,000MT; refined soybean oil; served by truck.

KUWAIT

Kuwait Flour Mills Company, SAK *C R SF*

Jamal Abdulnasser Street, P.O. Box 681, Safat 13007, KUWAIT; PH: 841866; TLX: 22209 (MATAHEN KT).
CONTACT: Aslam Shah Abbassi, Oil Plant Mgr.
PLANT SUPERINTENDENT: Aslam Shah Abbassi
Solvent extraction; crush cap. 75MT/day; storage cap. 1,000MT; crude soybean oil, meal; served by truck and ship. Refining cap. 50MT/day; storage cap. 10,000MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck and ship. Soy oil products, DALAL cooking/salad oil; DALAL vegetable ghee/shortening.

MALAYSIA

Dindings Soya & Multifeeds Sdn. Berhad ★ *C IP*

Wisma MCA, 10th Floor, 163 Jalan Ampang, P.O. Box 10537, Kuala Lumpur 50450, MALAYSIA; PH: 60/03/261-9055; FAX: 60/03/261-0502; TLX: (MA) 30378 (FLOUR).
CONTACT: Teh L. Teik, Chman.
Full fat extrusion; crush cap. 35MT/day; storage cp. 10,000MT; animal/livestock feed; served by rail, ship and truck. Full fat soy flour/soy protein (industrial grade) for animal feeds. CONTACT: Teh W. Khiang.

Pasir Gudang Edible Oils Sdn. Bhd. ★ *C R*

P.O. Box 80, Pasir Gudang 81707, Johore, MALAYSIA; PH: 60/07/512011; FAX: 60/07/511079; TLX: 60678 (PGEOPG MA).
CONTACT: Kwok Kian Hai, Gen. Mgr.
Solvent extraction; crush cap. 500MT/day; storage cap. 20,000MT; crude degummed soybean oil, meal; served by rail, truck and ship. Refining cap. 400MT/day; storage cap. 3,000MT; crude degummed soybean oil, refined soybean oil; served by truck and ship.

Soon Soon Oilmills SDN BHD ★ *C R IP*

Affiliate of Soon Soon SDN BHD
MAIN OFFICE: 2448 Lorong Perusahaan Dua, Prai Industrial Estate, P.O. Box 300, Butterworth 12720, Penang, MALAYSIA; PH: 60/4/307277; FAX: 60/4/308197; TLX: (MA) 47274 (SSOON).
CONTACT: Soon-Bin Neoh, Man. Dir.
Solvent extraction; crush cap. 700MT/day; storage cap. 27,000MT; crude degummed soybean oil, meal; served by ship and truck. CONTACT: Hooi-Hon Lim. **Refining cap. 120MT; storage cap. 5,500MT; industrial oil products, refined soybean oil; served by truck and ship. Soy oil (industrial grade); soybean fatty acids.**

Yeo Hiap Seng (M) BHD ★ *SF*

7 Jalan Tandang, Petaling Jaya 46050, Selangor, MALAYSIA; PH: 60/03/571-3733; FAX: 60/03/791-3509; TLX: 375444 (YHS MA).
Other Offices: Petaling Jaya, Selangor, MALAYSIA
CONTACT: C. T. Lim, Group Business Mgr.
Soyfoods, YEO's soymilk, drinks or beverages; YEO's soy sauce.
CONTACT: Chan Zee Cheng.

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C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

MALTA

The Edible Oil Refining Company Ltd. *R SF IP*

P.O. Box 539, Valletta, MALTA; PH: 356/227813 or 232111-6; TLX: 1420 (OILREF).
CONTACT: Benny Grech, Comm. Mgr.
Refining cap. 50MT/day; storage cap. 1,500MT; edible soy oil products, industrial oil products, refined soybean oil; seved by ship. Soy oil products, cooking/salad oil; margarine, cooking & table varieties; salad dressing; shortening for confectionery items. Soy oil (industrial grade); soybean fatty acids.

MEXICO

Aceitera Matamoros, S.A. de C.V. *C R SF*

Affiliate of La Polar, S.A. de C.V.
Av. Uniones S/N, Ant. Zona Industrial, P.O. Box 476, Matamoros 87310, Tamaulipas, MEXICO; PH: 52/891/38942 or 891/38943; TLX: 35016 (AMATME).
CONTACT: Pablo Peñaloza, Mgr.
Continuous screw press, solven extraction; crush cap. 300MT/day; storage cap. 21,000MT; crude degummed soybean oil, meal; served by rail and truck. Storage cap. 6,600MT; crude degummed soybean oil, edible soybean oil. Lecithin (edible grade) for bakery products and ice cream.

Aceitera Tapatia S.A. de C.V. *C*

Cerezo 1221, Colonia del Fresno, Guadalajara 44900, Jalisco, MEXICO; PH: 52/36/121-768, 121-769, 121-914 or 106-004; FAX: 52/36/116-087.
CONTACT: Tomas Limon, Pres.
Continuous screw press, solvent extraction; crush cap. 200MT/day; storage cap. 20,000MT; crude soybean oil, hulls, meal; served by rail, truck.

Aceites del Mayo S.A. de C.V. *C*

Carretera Mexico-Nogales, Km. 1778 , Apartado Postal 639, Navojoa 85800, Sonora, MEXICO; PH: 52/642-23434 or 642-23663 or 642-23434; FAX: 52/642-27985; TLX: 055626 (ACESME).
CONTACT: Enrique Gamiz, Gen. Mgr.
Solvent extraction; crush cap. 550MT/day; storage cap. 45,000MT; crude soybean oil, meal; served by rail and truck. CONTACT: Enrique Gamiz, Gen. Mgr.

Aceites Industriales El Zapote ★ *C R SF*

Presidente Juarez 201, Mexico City 54090, D.F., MEXICO; PH: 52/398/9900-011525; FAX: 52/525/398-9329; TLX: 172613 (ELZAME).
Other Offices: Houston, TX
CONTACT: Eugenio Gomez
Solvent extraction; crush cap. 250MT/day; crude soybean oil; served by truck. Refining cap. 450MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, once refined soybean oil; served by truck. Soy oil products, cooking/salad oil; salad dressing; shortening.

Aceites Vegetales Finos S.A. de C.V. *R*

Affiliate of Grupo Ragasa
Nueva Carretera Al Salto, Km. 9, P.O. Box 1-3252, Guadalajara 44100, Jalisco, MEXICO; PH: 01152/36/393104; TLX: 682067 (AVEF ME).
CONTACT: Jose R. Lopez, Plant Mgr.
PLANT SUPERINTENDENT: Jose R. Lopez
Refining cap. 100MT/day; storage cap. 65,000MT; refined soybean oil; served by truck. CONTACT: Enrique R. Garcia.

Aceites y Derivados del Pacifico S.A. *C IP*

Affiliate of Grupo Ragasa
Carretera Hermosillo, Nogales No. 2125, P.O. Box 312, Hermosillo 83000, Sonora, MEXICO; PH: 52/621/42215; TLX: 058854 (AYDP ME).
CONTACT: Jose L. Aguilar, Gen. Mgr.
Solvent extraction; crush cap. 250MT/day; storage cap. 30,000MT; crude soybean oil; served by rail and truck. Soy flour/soy protein (industrial grade); soy oil (industrial grade).

Anderson Clayton ★★

MAIN OFFICE: Blvd. M. Avila Comancho No. 1 - 5º Piso, Col. Lomas de Chapultepac 11000, D.F., MEXICO; PH: 52/5/557-73-22; FAX: 52/5/540-65-10.
Other Offices: Tultitlan (mfg.)
CONTACT: J. H. A. Knotlenbelt, Pres.
Animal livestock feed, crude soybean oil, edible soy oil products, industrial soy oil products, refined soybean oil. Soy oil products, shortening.

Anderson Clayton ★★ *C R SF IP*

Autopista Mexico Queretaro, Km. 33.5, Tultitlan 54900, MEXICO; PH: 52/872-38-84 or 565-40-33; FAX: 52/872-67-30.
CONTACT: Jose Luis Garcia, Plant Mgr.
PLANT SUPERINTENDENT: Jose Luis Garcia
Solvent extraction; crush cap. 1,000MT/day; storage cap. 104.5MT; animal/livestock feed, crude soybean oil; served by rail and truck. Refining cap. 300MT/day; storage cap. 104.5MT; edible soy oil products, industrial oil products, refined soybean oil; served by truck and rail. Soy oil products, shortening. Soy oil (industrial grade) for the baking industry.

Avicultores y Productores El Calvario S.A. de C.V. (APECSA) ★ *C R*

Carretera Tehuacan-Teotitlan, Km. 8 1/2, Apartado Postal 88, Tehuacan, Puebla 75700, MEXICO; PH: 52/238/30200; FAX: 52/238-30398; TLX: 1762057 (APEC ME).
Other Offices: Mexico City
CONTACT: Arturo G. Rodriguez, Gen. Mgr.
Solvent extraction; crush cap. 600MT/day; crude soybean oil, meal; served by truck. Refining cap. 110MT/day; crude degummed soybean oil, refined soybean oil; served by truck.

Derivados de Oleaginosas del Valle S.A. de C.V. *R SF*

Affiliate of Molinos Union del Yazui S.A. de C.V.
Av. Miguel Aleman #703, Sur Altos, P.O. Box 356, Cuidad Obregon 85000, Sonora, MEXICO; PH: 52/641/46-567 or 46-765; FAX: 52/641/46-050.
CONTACT: Alberto Matiella, Gen. Mgr.
Refining cap. 70MT/day; storage cap. 1,500MT; crude degummed soybean oil, edible soy oil products; served by rail, truck. DOVSA lecithin (edible grade); soy oil products, cooking/salad oil.

Fabrica de Jabon La Corona, S.A. de C.V. *C*

Circuito interior y Boulevard Las Torres, Apartado 890, Ciudad Obregon 85000, Sonora, MEXICO; PH: 52/641/346-90; FAX: 52/641/502-97; TLX: 552839 (LOMOBR).
CONTACT: Antonio M. Gonzalez, Pres.
Solvent extraction; crush cap. 500MT/day; storage cap. 65,000MT; crude soybean oil, hulls, meal; served by rail and truck.

Raul Garcia y Cia, S.A. de C.V. ★ *C IP*

Affiliate of Ragasa Group
Av. Pres. Ruiz Cortines, No. 257 Pte., P.O. Box 45, Monterrey 64290, Nuevo Leon, MEXICO; PH: 52/91/83/515700; FAX: 52/83/515342.
CONTACT: Enrique R. Garcia Fernandez, Pres.
Solvent extraction; crush cap. 750MT/day; storage cap. 50,000MT; animal/livestock feed, crude soybean oil, hulls, meal; served by rail and truck. CONTACT: J.G. Perez. **Full fat soy flour/soy protein (industrial grade) for poultry and hog feed.**

Groupo Trasgo ★★

MAIN OFFICE: Valle de Guadiana Esq., 4 Cienegas Zona Industrial, Gomez Palacio, Durango, MEXICO; PH: 52/17/16-22-00; FAX: 52/17/16-57-29.
Other Offices: Gomez Palacio, Durango (Proteinas Industriales La Laguna, S.A. de C.V.) (mfg.)
CONTACT: Rafael Villages Attolini

Hidrogenadora Nacional, S.A. de C.V. ★★

MAIN OFFICE: Rio Lerma #150, Tlalnepantia, Ede. de Mexico, MEXICO; PH: 52/565-01-33; FAX: 52/390-93-42 or 390-52-16.
Other Offices: Tamaulipas (mfg.)
CONTACT: Jose Maria Xacur, Gen. Mgr.

Hidrogenadora Nacional, S.A. de C.V. ★★ *R SF IP*

Gonzalez No. 4320, Esquina Heroes, Nuevo Laredo, Tamaulipas, MEXICO; PH: 52/871-20860 or 871-23100; FAX: 52/871-27769.
CONTACT: Juan F. Mora Anaya, Comm. Mgr.
Refining cap. 150MT/day; storage cap. 6.2MT; edible soy oil products, industrial soy oil products, refined soybean oil; served by truck and rail. Soy oil products, cooking/salad oil; shortening.

Industrial Aceitera S.A. *C R SF*

Km. 20.5, Carretera Cuautitlan, Apartado 182, Tlalnepantla 54000, MEXICO; PH: 52/905/572-0799; FAX: 52/905/562-8127; TLX: 172656 (IASAME).
CONTACT: Hector Garcia Padilla, Operation Mgr.
Solvent extraction; crush cap. 350MT/day; storage cap. 60,000MT; crude degummed soybean oil, hulls, meal; served by rail and truck. Refining cap. 600MT/day; storage cap. 17,000MT; edible soy oil products; served by rail and truck. Soy oil products, NINA cooking/salad oil.

Industrial de Alimentos S.A. *C SF IP*

Poniente 146 No. 789, Col. Industrial Vallejo, Mexico 02300, D.F., MEXICO; PH: 52/905/567-4022.
CONTACT: Jose Galasso, Gen. Mgr.
Solvent extraction; crush cap. 15MT/day; storage cap. 300MT; crude soybean oil, white flakes for edible purposes; served by truck. Simulated meat products (analogs); soy flour, full fat soy flour; textured soy flour; soy grits; soyfoods, soymilk, drinks or beverages. CONTACT: Antonio Mouret, Sales Mgr. **Full fat soy flour/soy protein (industrial grade) for fermentations; soy oil (industrial grade) for paints.**

Liga Mexico Panamericana Medico Educacional A.G. ★★ *SF*

Carretera Navojoa-Huatabampo, Km. 13, Apartado Postal #502, Navojoa 85800, Sonora, MEXICO; PH: 52/642/24130.
CONTACT: Manuel Rubio, Gen. Mgr.
PLANT SUPERINTENDENT: Pedro M. Sanchez
SOYAPAC simulated meat products (analogs) (beef, chicken and chorizo flavors), TRISOY breakfast cereal; NUTRISOY full fat soy flour; soyfoods, SOYALAC fresh soymilk, drinks or beverages.

Molinos Union del Yaqui S.A. de C.V. ★ *C*

Av. Miguel Aleman No. 701 South, Apartado Postal 327, Ciudad Obregon 85000, Sonora, MEXICO; PH: 52/641/52270; FAX: 52/641/46050; TLX: 552813 (MUYME).
CONTACT: Ramon Rivera Felix, Gen. Mgr.
Continuous screw press, solvent extraction; crush cap. 500MT/day; storage cap 150,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck.

Negociacion Industrial Santa Lucia S.A. *C R SF*

Av. Heroes de Nocupetaro No. 1022, P.O. Box 77, Morelia 58130, Michoacam, MEXICO; PH: 52/451/20175; TLX: 69644 (NISL ME).
CONTACT: Fernando Trevino, Tech. Mgr.
Solvent extraction, continuous screw press; crush cap. 110MT/day; storage cap. 7,500MT; meal; served by rail and truck. Refining cap. 65MT/day; storage cap. 1,400MT; crude soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck and rail. Soy oil products, SANTA LUCIA, DALIA, CAMPANA shortening.
CONTACT: Ramon Flores.

Nestle, S.A. de C.V. ★★ *SF*

Ejercito Nacional Mexicano No. 453, Mexico City 11520, D.F., MEXICO; PH: 52/915/250-9944; FAX: 52/915/254-8264.
CONTACT: Felix M. Cabrera, Subdir.
PLANT SUPERINTENDENT: Daniel S. Valdivia
Soyfoods, soymilk, drinks or beverages; spray-dried soymilk.

Oleaginosas del Sureste S.A. ★★ *C R SF*

Avenida Acero No. 103, Villahermosa 86010, Tabasco, MEXICO; PH: 52/931/295-79 or 249-00; FAX: 52/931/246-23.
Other Offices: Mexico City, D.F.
CONTACT: Jorge L. Ovando Ortega, Gen. Mgr.
Solvent extraction; crush cap. 200MT/day; storage cap. 4,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck. Refining cap. 30/40MT/day; storage cap. 240MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck. Soy oil products, FRUGAL cooking/salad oil; OSSA M20, M09, M1 shortening.

Oleoproteinas del Sureste S.A. de C.V. ★ *C R SF*

Ave. Cabalan Macari #409, Postal 230, Merida 97288, MEXICO; PH: 52/992-39822; FAX: 52/992-82483.
CONTACT: Raul Tamayo, Gen. Mgr.
Solvent extraction; crush cap. 600MT/day; storage cap. 20,000MT; animal/livestock feed, crude soybean oil; served by rail and truck. CONTACT: Jorge Goff. **Refining cap. 200MT/day; edible soy oil products, hydrogenated soy oil; served by rail and truck. Lecithin (edible grade); soy oil products, cooking/salad oil; shortening.**

La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A. *C R SF IP*

Av. Manuel Gonzalez 165, Col. Atlampa, Mexico 06450, D.F., MEXICO; PH: 52/905/583-4022; TLX: 1772498 (POLA ME).
Other Offices: Ciudad Obregon, Sonora; Matamoros, Tamaulipas (Plants)
CONTACT: Diego Gutierrez, Pres.
Solvent extraction; crush cap. 900MT/day; storage cap. 80,000MT; crude degummed soybean oil, hulls, meal, white flakes for edible purposes; served by barge, rail and truck. Refining cap. 140MT/day; storage cap. 6,000MT; crude degummed soybean oil, edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by truck and rail. Isolated soy proteins; lecithin (edible grade); soy flour; soy oil products, cooking/salad oil; shortening. Lecithin (industrial grade); soy flour/soy protein (industrial grade); soy oil (industrial grade).

Productos Alimenticios Delicias S.A. de C.V. ★ *SF*

Apartado Postal 376, Zona Industrial Oriente, Delicias 33000, Chihuahua, MEXICO; PH: 52/911/472-3093.
CONTACT: Mario Vega Pineda, Gen. Mgr.
Full fat soy flour.

Proteinas Basicas, S.A. de C.V. ★★ *C IP*

Affiliate of Grupo Ragasa
Carretera A Reynosa, Km. 0.5, Antiguo Sendero Nacional, Zona Industrial, A. Postal 184, C.P 87350 H. Matamoros, Tamps., MEXICO; PH: 52/891/39990 or 37987; FAX: 52/891/39694; TLX: 35845.
CONTACT: Alejandro G. Garcia, Gen. Mgr.
Crush cap. 1,200MT/day; storage cap. 75,000MT; crude soybean oil, hulls, meal; served by rail and truck. Full fat soy flour/soy protein (industrial grade) for animal/livestock feed; soy oil (industrial grade) for soap.

Proteinas Industriales La Laguna, S.A. de C.V. ★★ *C R SF*

Boulevard Presidente Aleman, Km. 11.40, Gomez Palacio, Durango, MEXICO; PH: 52/17/16-80-92; FAX: 52/17/16-27-71.
CONTACT: Jorse Estrada Attolini
Solvent extraction; crush cap. 600MTday; storage cap. 74.6MT; animal/livestock feed, crude soybean oil, edible soy oil products; served by rail and truck. Soy oil products, cooking/salad oil, shortening.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

Proteinas Naturales, S.A. de C.V. ★ *C IP*

Affiliate of Ragasa Group
Frente A Km. 502, Via Tampico-Monterrey, P. O. Box 1610, Monterrey 64000, Nuevo Leon, MEXICO; PH: 52/83/792244 or 792286; TLX: 383258 (PRONME).
CONTACT: Alejandro G. Garcia, Gen. Mgr.
Crush cap. 1,000MT/day; storage cap. 55,000MT; crude soybean oil, hulls, meal; served by rail and truck. Full fat soy flour/soy protein (industrial grade); for animal/livestock feed; soy oil (industrial grade); to produce lubricants (soap).

Proteinas y Aceites del Bajio, S.A. de C.V. (PROTABSA) ★★ *C*

Affiliate of Hidrogenadora Nacional S.A.
Carretera Panamericana, Km. 254, P.O. Box 87, Apaseo el Grande GT0, Guanajuato, MEXICO; PH: 52/461/374-00; FAX: 52/461/375-00.
CONTACT: Frederico R. Alyarez
PLANT SUPERINTENDENT: Francisco Rodriguez
Solvent extraction; crush cap. 500MT/day; storage cap. 18,000MT; crude soybean oil, hulls, meal; served by rail and truck.

Purina Protein de Mexico, S.A. de C.V. ★★ *SF*

Affiliate of Protein Technologies International
Ingenieros Militares 105, 2º Piso, Col. Lomas de Sotelo, Mexico City 11200, D.F., MEXICO; PH: 52/5/395-9190; FAX: 52/5/395-8303.
CONTACT: Javier Gudiño, Gen. Mgr.
PLANT SUPERINTENDENT: Javier Gudiño
SUPRO® isolated soy proteins; simulated meat products (analogs); FIBRIM® soy fiber; soyfoods, soymilk, drinks or beverages; spray-dried soymilk.

MOROCCO

Les Huileries de Meknes ★ *R*

Quartier Sidi Said, Meknes 2021, MOROCCO; PH: 212/553-1482; FAX: 212/553-2731; TLX: 31034 (HUIL MEK).
CONTACT: Eddaoudi Hassan, Mgr. Dir.
Refining cap. 120MT/day; storage cap. 6,000MT; edible soy oil products; refined soybean oil; served by ship and ruck.

Societe d'Exploitation Des Produits Oleagineux (SEPO) ★ *C R*

2 Rue du Caporal Corbi, B.P. 3094, Casablanca 05, MOROCCO; PH: 212/241096; TLX: 25076.
CONTACT: Mohamed Ali Boukhrissi, Dir.
Solvent extraction; crush cap. 350MT/day; meal; served by truck. Refining cap. 100MT/day; crude soybean oil, refined soybean oil; served by truck.

NEPAL

Shree Shiv Shakti Ghee Udyog Pvt. Ltd. ★ *R SF*

Affiliate of the Sikaria Organization
P.O. Box 25, Birganj, Narayani Zone, NEPAL; PH: 977/51/21674; FAX: 977/51/21673; TLX: 4007 (SIKRIA NP).
Other Offices: Kathmandu
CONTACT: Dwarka P. Sikaria, Man. Dir.
PLANT SUPERINTENDENT: A. K. Mtra
Refining cap. 40MT/day; storage cap. 1,200MT; hydrogenated soy oil, refined soybean oil; served by truck. Soy oil products, VEGETABLE GHEE margarine.

NETHERLANDS

A.D.M. Company Europe B.V. ★ *C R SF*

Affiliate of Archer Daniels Midland Company
Boompjes 40, 14th Floor, Rotterdam 3011 XB, NETHERLANDS; PH: 31/10/4570-312; FAX: 31/10/4570-315 or 4331-265; TLX: 25282 (ADM EU).
Other Offices: Little Rock, AK; Augusta, Valdosta, GA; Des oines, IA; Frankfort, IN; Champaign, Decatur, Galesburg, Granite City, Taylorville, IL; Fredonia, KS; Mankato, MN; N. Kansas City, Mexico, MO; Clarksdale, MS; Fremont, Lincoln, NE; Fostoria, OH; Kershaw, SC; Windsor, Ontario, CANADA (ADM Agri-Industries, Ltd. d/b/a/ Maple Leaf Monarch); Spyck, GERMANY (ADM Oelmuehlen GmbH); Europoort, NETHERLANDS (A.D.M. Europoort).
CONTACT: Allen Andreas, European Mgr.
Solvent extraction; meal. edible soy oil products. Lecithin (edible grade); soy oil products, cooking/salad oil.

A.D.M. Europoort B.V. ★ *C R SF*

Affiliate of Archer Daniels Midland Company
Elbeweg 125, 3198 LC Europoort Rt., Europoort, NETHERLANDS; PH: 31/18/1963-055; FAX: 31/18/1962-831; TLX: 29662 (ADM NL).
Other Offices: Little Rock, AK; Augusta, Valdosta, GA; Des Moines, IA; Frankfort, IN; Champaign, Decatur, Galesburg, Granite City, Taylorville, IL; Fredonia, KS; Mankato, MN; N. Kansas City, Mexico, MO; Clarksdale, MS; Fremont, Lincoln, NE; Fostoria, OH; Kershaw, SC; Windsor, Ontario, CANADA (ADM Agri-Industries, Ltd. d/b/a/ Maple Leaf Monarch); Spyck, GERMANY (ADM Oelmuehlen GmbH); Rotterdam, NETHERLANDS (A.D.M. Company Europe).
CONTACT: William Groenenboom, Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal. Crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil. Lecithin (edible grade); isolated soy proteins; soy flour; soy grits.

Cargill B.V. ★ *C R SF*

Affiliate of Cargill Inc., U.S.A.
Coenhavenweg 2, P.O. Box 8074, Amsterdam 1005 AB, NETHERLANDS; PH: 31/20/5801911; FAX: 31/20/866611; TLX: 14081 (CGL NL).
Other Offices: Rotterdam, NETHERLANDS
CONTACT: George Henni, Gen. Mgr.
Solvent extraction; crush cap. 3,300MT/day; animal/livestock feed, crude degummed soybean oil, hulls, meal, white flakes for edible purposes; served by barge, rail, ship and truck.
CONTACT: Robert L. Green. **Refining cap. 500MT/day; refined soybean oil; served by barge, rail, ship and truck.**
CONTACT: Ruud Sevink. **Simulated meat products (analogs), textured soy flour; soy grits; textured soy proteins.**
CONTACT: Bob Hamaker.

Central Soya Overseas B.V., Chemurgy Div. ★ *SF IP*

Affiliate of Central Soya Company
Veerlaan 17-23, P.O. Box 5063, Rotterdam 3008 AB, NETHERLANDS; PH: 31/010/423-9600; FAX: 31/010/4230897; TLX: 20041 (CNSOY NL).
CONTACT: James P. King, European Sales & Mkting. Dir.
CENTROLEX lecithin (edible grade); lecithins (pure, de-oiled), lecithin supplements; TEXTURED PROCON and RESPONSE simulated meat products (analogs); SOYAFLUFF soy flour; CENTEX and MIRATEX textured soy flour; soy grits; PROMINE, PROMAX, PROCON and PROMOSOY soy protein concentrates. CENTROMIX lecithin (industrial grade) for feed, paints, lubricants release and magnetic media.
CONTACT: Chemurgy Division.

CEREOL B.V. ★ *C*

Affiliate of Central Soya Co., Inc., Fort Wayne, IN
Everard Meijsterlaan 3, P.O. Box 8048, 3533 CK Utrecht, NETHERLANDS; PH: 31/92 16 11; TLX: 844-47479 (CSUT NL).
CONTACT: Evert G. Van Korlaar
Solvent extraction; crush cap. 1,700MT/day; storage cap. 2,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck and barge.

Fa. L.I. Frank ★ *SF IP*
Oude Rijksstraatweg 32-40, Postbox 46, Twello 7390 AA, NETHERLANDS; PH: 31/5712/72131 or 72131; FAX: 31/5712/75624; TLX: 49350 (FRANK NL).
Other Offices: Kronberg, GERMANY (Breuer Agency); Paris, FRANCE (A. Arnaud S.A.)
CONTACT: J. R. Miedendorp de Bie, Ir.
Lecithin (edible grade); isolated soy proteins; SUNSOY soy flour, SUNSOY-20 full fat soy flour; soy fiber; soy grits; soy protein concentrates; soyfoods, soy sauce; other soy-based foods. Full fat soy flour/soy protein (industrial grade).

See Our Advertisement P. 36

Hendrix Voeders B.V. *IP*
Affiliate of B.P. Nutrition
Veerstraat 48, P.O. Box 1, 5831 JN Boxmeer, NETHERLANDS; PH: 8855/89911; TLX: 37291 (HDRX NL).
CONTACT: N. van der Vlist, Dir.
Soy flour/soy protein (industrial grade) full fat for pet food, fish food and cattle feed.

Heuschen-Schrouff B.V. *SF*
Reeweg 137, Landgraaf 6374 BW, NETHERLANDS; PH: 31/045/311998; TLX: 56377.
CONTACT: G. H. G. Schrouff, Mgr. Dir.
Soyfoods, WINDMILL tofu; smoked tofu; satem tofu (packed in foil, 250g and 400g); other soy-based foods, tofu burgers.

Loders Croklaan B.V. ★ *C R SF IP*
Affiliate of Unilever
Hogeweg 1, P.O. Box 4, Wormerveer 1520 AA, NETHERLANDS; PH: 31/75/292911; FAX: 31/75/218881; TLX: 19257 (CROK NL).
CONTACT: G. Hoetmer, Protein Div.
Solvent extraction; Crude degummed soybean oil, white flakes for edible purposes; served by rail, ship and truck. CONTACT: G. Hoetmer. **Edible soy oil products, refined soybean oil; served by truck. UNISOL isolated soy proteins; UNISOY soy flour; UNITEX textured soy flour; UNICO, soy protein concentrates. CONTACT:** L. Bakker. **SOYCOMIL soy flour/soy protein (industrial grade), [soy concentrate] for livestock feed. CONTACT:** A. Visser.

Lucas Meyer B.V. ★ *C R SF IP*
Affiliate of Lucas Meyer GmbH & Co., Hamburg
West Zijde 412, Zaandaui 1506 GM, NETHERLANDS; PH: 31/25/206161; FAX: 31/25/702586.
Other Offices: Oudenaarde, BELGIUM; Campinas, BRAZIL; Chester, ENGLAND; Le Blanc Mesnil, Cedex, FRANCE; Hamburg, FEDERAL REPUBLIC OF GERMANY; Vigonza, ITALY; Barcelona, SPAIN; Decatur, IL
CONTACT: Andre van der Zande, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy protein; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN, EMULTHIN, EPICHOLIN, and EPIKURON lecithins (edible grade); SOVITAL soy bran; SOYAMIN 50 soy flour; SOYAPAN and NURUPAN full fat soy flours; NURUGRAN full fat soya grits; SOYOCO full fat soy kernels; NURULAT full fat soy powder; VEGAFOOM soy protein (whipping); SOYAMIN 70 soy protein concentrates; TEXTRATEIN soy protein (textured); soyfoods, NURAFLAKES soy flakes (full fat). LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather, magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids.

Mervo Products B.V. ★ *IP*
Affiliate of Cebeco-Handelsraad
Havenstraat 10, P.O. Box 134, Doetinchem 7000 AC, NETHERLANDS; PH: 08340-32543; FAX: 08340-41556; TLX: 45071 (MERVO).
Other Offices: Hengelo, NETHERLANDS
CONTACT: A. Hofstede, Man. Dir.
PLANT SUPERINTENDENT: Martin Bastiaanssen
Full fat soy flour/soy protein (industrial grade) for feed compound; full fat soy grits for animal/livestock feed; MERVO-SOYA (toasted & pelleted) for animal/livestock feed; MERVO SOYA FLAKE (toasted, flaked and pelleted) for animal/livestock feed. CONTACT: Rob van Essen.

Nutrimul B.V. ★ *SF*
Affiliate of Archer Daniels Midland, U.S.A.
Ermerweg 66, 7812 BG, P.O. Box 647, Emmen 7800 AP, NETHERLANDS; PH: 0031/5910-19288; FAX: 0031/5910-41612; TLX: 30377 (NUMUL NL).
CONTACT: Albert Grooten, Dir.
NUTRILEC lecithin (edible grade); NUPROSOY full fat soy flour.
CONTACT: Anneke Kayser.

Rotterdamsche Margarine Industrie (ROMI) BV ★ *R SF*
Affiliate of Koninkijke Smilde, Hesrenveen Kon. Wilhelminahaven NZ 17, P.O. Box 20, Vlaardingen 3130 AA, NETHERLANDS; PH: 31/10/434-0311; FAX: 31/10/435-3627; TLX: 25770.
CONTACT: L. Albert van Marion, Dir. or S. Haagsma, Comm. Dir.
Hydrogenated soy oil, refined soybean oil; served by barge, ship and truck. CONTACT: S. Haagsma. **Soy oil products, cooking/salad oil; margarine; shortening.**

Schouten Commodities B.V. ★ *C SF*
Affiliate of the Schouten Group N.V.
MAIN OFFICE: Burgstraat 12, P.O. Box 1, Giessen 4283 ZG, N. Brabant, NETHERLANDS; PH: 01832/1141; FAX: 01832/1615; TLX: 21159.
CONTACT: A.G. van der Werf, Dir., Trading Div.
Animal/livestock feed; served by barge, ship & truck. SOYAX (toasted, pelleted), SOYAX-F (toasted, flaked, pelleted) full fat soy grits.

Solnuts B.V. *SF*
Swaardenstraat 41, P.O. Box 5066, 5004 EB Tilburg , NETHERLANDS; PH: 31/13/684991; FAX: 31/13/634109; TLX: 52654 (SOLNU NL).
Other Offices: Hudson, IA (Solnuts Inc.).
CONTACT: Boud Lindner, Pres.
Soy fiber; full fat soy flour; soy grits; soyfoods, soynuts (whole soybean snacks).

NETHERLANDS ANTILLES

Alimentos Antillanos N.V. *R*
Abattoirweg Z/N Parera, Curacao, NETHERLANDS ANTILLES; PH: 5999-614412; FAX: 5999-613032.
CONTACT: Jan Marent, Dir.
Refining cap. 20MT/day; storage cap. 580MT; edible soy oil products.

NEW ZEALAND

Innovex Nutrition 1989 Ltd. *IP*
Taupaki Road, P.O. Box 99, Kumeu, Auckland, NEW ZEALAND; PH: 09/412-8533; FAX: 09/412-8533.
CONTACT: Paul Bishop, Gen. Mgr.
Solvent extraction; storage cap. 150MT; animal/livestock feed, crude degummed soybean oil; served by truck. ENERGY-SOY, SOY-PLUS, SOY-PLUS-ACID, PROTEX soy flour/soy protein (industrial grade).

NICARAGUA

E. Chamorro Industrial S.A. *C*
MAIN OFFICE: P.O. Box 32, Granada, NICARAGUA; PH: 505/55/4391 (To 4395); FAX: 505/55/2-661671.
Other Offices: San Jose, COSTA RICA; Miami, FL
CONTACT: Alberto J. Chamorro, Pres.
Solvent extraction; crush cap. 250MT/

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
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day; storage cap. 20,000MT; animal/ livestock feed, crude degummed sobean oil, crude soybean oil, meal; served by ship and truck.

NIGERIA

Farina Limited ★★ *SF*

Affiliate of Farina Services Ltd., Switzerland
E-8 Matori Industrial Estate, P.O. Box 3007, Mushin, Lagos, NIGERIA; PH: 234/1/525302; FAX: 234/1/618496.
Other Offices: Cobham, Surrey, ENGLAND (Farina Group)
CONTACT: Girish Wadhwani, Man. Dir.
PLANT SUPERINTENDENT: Jai Changrani
Soyfoods, soymilk, drinks or beverages; other soy-based foods, soy ice cream; soy milk yogurt.

Protein Dirivates Limited ★★ *C R*

Plot 41, Sharada Industrial Estate, Phase III, P.O. Box 730, Kano, NIGERIA; PH: 234/064-626143 or 064-627600; TLX: 77490 (PRODERI NG).
Other Offices: 18, Civic Centre, Kano, NIGERIA
CONTACT: M. F. Bahy, Tech. Dir.
Continuous screw press; crush cap. 200MT/day; storage cap. 2,000MT; crude soybean oil, meal; served by truck. Refining cap. 50MT/day; storage cap. 1,000MT; edible soy oil products; served by truck. CONTACT: Commercial Manager.

Vegetable Oils (Nigeria) Ltd. *C R*

Affiliate of Odu'a Investment Company Ltd.
386/394 Ikorodu Road, Ojota, P. O. Box 121, Ikeja, Lagos, NIGERIA; PH: 234/01/9005600-1 or 963680; TLX: 26533 (VON NG).
CONTACT: Victor Omololu, Man. Dir.
Solvent extraction; crush cap. 100MT/day; storage cap. 5,000MT; crude soybean oil. Refining cap. 100MT/day; storage cap. 4,000MT; refined soybean oil.

NORWAY

A/S Denofa Og Lilleborg Fabriker *C R SF IP*

Affiliate of Orkla-Borregaard
Sandakerveien 56, P.O. Box 4236, Torshov, 0401 Oslo 4, NORWAY; PH: 47/2/895000; FAX: 895138; TLX: 71181 (B DENO N).
CONTACT: Rolf Klegetvedt, Purch. Mgr.
Solvent extraction; crush cap. 1,000MT/ day; storage cap. 30,000MT; animal/ livestock feed, crude degummed soybean oil; served by ship and truck. CONTACT: Odd R. Bjoernstad. **Refining cap. 180MT/day; storage cap. 10,000MT; edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by ship and truck. Lecithin (edible grade). Lecithin (industrial grade); soy oil (industrial grade); soybean fatty acids.**

PAKISTAN

Cake & Oil Products Pvt. Ltd. ★ *C*

United Bank Building, 2nd Floor, Chundrigar Road, Karachi 74000, PAKISTAN; PH: 92/21/241-4362 or 241-1887; FAX 92/21/241-4581; TLX: (RCA) 25728 (HYDRI PK).
CONTACT: Altaf H. Anvarali, Dir.
Continuous screw press, solvent extraction; crush cap. 100MT/day; storage cap. 2,000MT; crude degummed soybean oil, meal; served by truck.

Khyber Agro (Pvt) Limited ★★ *SF*

Affiliate of the Punjab Group of Industries
Institution of Engineers Building, Liberty Market, 2nd Floor, Gulberg-III, Lahre, PAKISTAN; PH: 92/42/875228 or 875229; FAX: 92/42/872420; TLX: 44762 (PSL PK).
Other Offices: Gadoon, PAKISTAN
CONTACT: Mahmood A. Bhatti, Chman.
PLANT SUPERINTENDENT: Ghulam S. Chaudhry
Soy oil products, cooking oil (vegetable ghee).

Punjab Cooking Oil (Pvt) Limited ★★ *SF*

Institution of Engineers Building, Liberty Market, 2nd Floor, Gulberg-III, Lahore, PAKISTAN; PH: 92/42/87528 or 875229; FAX: 92/42/872420; TLX: 44762 (PSL PK).
Other Offices: Sheikhupura, Punjab
CONTACT: Asif M. Bhatti, Chief Exec.
PLANT SUPERINTENDENT: Mohammad M. Khokhar
Soy oil products, cooking oil (vegetable ghee); margarine.

Sardar Oil Mills Limited ★★ *SF*

Affiliate of the Punjab Group of Industries
Institution of Engineers Building, Liberty Market, 2nd Floor, Gulberg-III, Lahore, PAKISTAN; PH: 92/42/875228 or 875229; FAX: 92/42/872420; TLX: 44762 (PSL PK).
Other Offices: Dera Ghazi Khan, Punjab
CONTACT: Mahmood A. Bhatti, Chman.
PLANT SUPERINTENDENT: A. R. Baig
Soy oil products, cooking oil (vegetable ghee).

M/S- Spinzer Industries Ltd. (Ghee Mills) *R*

Industrial Estate, Jamrud Road, Peshawar, NWFP, PAKISTAN; PH: 92/0521.
CONTACT: G. M. Yousafzai, Man. Dir.
Refining cap. 40MT/day; storage cap. 2,000MT; industrial oil products; served by truck.

Zam Zam Enterprises (Pvt) Limited ★★ *SF*

Affiliate of the Punjab Group of Industries
Institution of Engineers Building, Liberty Market, 2nd Floor, Gulberg-III, Lahore, PAKISTAN; PH: 92/42/875228 or 875229; FAX: 92/42/872420; TLX: 44762 (PSL PK).
Other Offices: Bahawalnagar, Punjab
CONTACT: Mahmood A. Bhatti, Chman.
PLANT SUPERINTENDENT: M. Jehangir Khan
Soy oil products, cooking oil (vegetable ghee).

PANAMA

Compañia Panameña de Aceites, S.A. *C R SF*

Domingo Diaz Avenue, P.O. Box 6-2396, Panamá City, PANAMA; PH: 507/20-1006; FAX: 507/20-3859; TLX: (TRT) 3553 (ACEITES).
CONTACT: Julieta F. Lorenzo, Admin. Mgr.
Continuous screw press; crude degummed soybean oil. Edible soy oil products, refined soybean oil; served by ship, truck. Soy oil products, COCINERO, MAIZOL cooking/salad oil; MAIZOL, PERFECTA margarine; CHANCHO, PASTELERO shortening.
CONTACT: Jaime Arosemena.

PERU

Compania Oleaginosa del Peru S.A. (COPSA) *C R SF*

Av. Argentina 5027, P.O. Box 2965, Callao, PERU; PH: 52-5570; TLX: 036-25785 (PE FABRIL).
CONTACT: Carlos Ludowieg, Tech. Mgr.
Continuous crew press, solvent extraction; crush cap. 200MT/day; storage cap. 4,000MT; crude degummed soybean oil; served by truck. Refining cap. 150MT/day; storage cap. 5,000MT; hydrogenated soy oil,

refined soybean oil; served by truck. Soy flour; soy oil products, cooking/salad oil; margarine.

PORTUGAL

Companhia Portuguesa de Azeites ★ *C SF IP*

P.O. Box 5092, Lisbon 5, PORTUGAL; PH: 351/1/848-8176/8; FAX: 351/1/848-1939; TLX: 12422 (IBEROL P).
PLANT SUPERINTENDENT: Urbino Malaca
Continuous screw press; crush cap. 700MT/day; storage cap. 30,000MT; crude soybean oil, crude degummed soybean oil, meal; served by barge, rail and truck. Lecithin (edible grade); soy flour; soy oil products, cooking/salad oil. Lecithin (industrial grade) for the pharmaceutical and chemical industries; soy flour for the animal food industry; soy oil (industrial grade) for the refining industry.

Produtora e Refinadora de Oleos, S.A. (PRAZOL) ★ *C R*

Av. Bernardino Machado-Formariz, Ap. 52, Vila do Conde Codex 4481, Douro Litoral, PORTUGAL; PH: 351/52/633497; TLX: 23838 (PRAVIC P).
Other Offices: Lisbon, Estremadura; Castelo Branco, Biera-Baixa, PORTUGAL
CONTACT: Alcino Cardoso, Pres.
Solvent extraction; crush cap. 600MT/day; storage cap. 33,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck. Refining cap. 120MT/day; storage cap 6,500MT; refined soybean oil; served by truck. CONTACT: Plant Mgr.

Sociedade Nacional de Saboes, Lda. *C R IP*

Rua de Marvila, 151, Apartado 2270, Lisbon 1107, PORTUGAL; PH: 351/01/381571 or 382005; TLX: 18474 (SABOES P).
CONTACT: Jaime Figo, Gen. Mgr.
Solvent extraction; crush cap. 300MT/day; animal/livestock feed, crude soybean oil, meal; served by truck and ship. Refining cap. 180MT/day; storage cap. 4,000MT; industrial oil products, refined soybean oil; served by truck and ship. Full fat soy flour/soy protein (industrial grade) for livestock feed products; soy oil (industrial grade) for synthetic resins. CONTACT: Armando G. Antunes.

TAGOL S.A. ★ *C R SF IP*

Campo Grande, 28-6º, Lisbon 1700, PORTUGAL; PH: 351/1/767521; FAX: 765079; TLX: 14187 (TAGOL P).
CONTACT: Manuel Mourão, Vice Pres.
Solvent extraction; crush cap. 2,500MT/day; storage cap. 100,000MT; cude degummed soybean oil, meal; served by barge, rail, ship and truck. CONTACT: Fernando Almeida. **Refining cap. 150MT/day; storage cap. 21,000MT; crude degummed soybean oil, edible soy oil products, hydrogenated soy oil; served by ship and truck. CONTACT:** Melo Sampaio. **TAGOL full fat soy flour; soy oil products, CAMPO D'OURO cooking/salad oil; CAMPO D'OURO margarine; CAMPO D'OURO salad dressing; CAMPO D'OURO shortening. Full fat soy flour/soy protein (industrial grade) for aimal feeds.**

SAUDI ARABIA

Middle East Analog Technology *SF*

P.O. Box 4553, Jeddah 21412, SAUDI ARABIA; PH: 966/2/682-2201;
CONTACT: Kevin Fallon, Pres.
Simulated meat products (analogs & WSMB).

The Savola Company ★★ *C R SF*

P.O. Box 1202, Jeddah 21431, SAUDI ARABIA; PH: 966/2/651-0097; FAX: 966/2/651-8068; TLX: 602-481 (SJ).
Other Offices: Jeddah (Savola Edible Oils)
CONTACT: Suleman S. Baba, Sr. AGM, Commodity Research
Solvent extraction; crude soybean oil, hulls, eal; served by truck. Edible soy oil products; served by truck. Soy oil products, cooking/salad oil; soyfoods, other soy-based foods.

SCOTLAND

Cardowan Creameries Ltd. *SF*

Holywell Street, Glasgow G31 4BT, SCOTLAND; PH: 44/41/554-1137.
CONTACT: Mary Johnston, Secy.
Soy oil products, FRYBEX cooking/salad oil; KING COLE margarine (trade-user packs of pastry and cake margarines); KING COLE shortening (trade-user packs).

SINGAPORE

Devon Industries Sdn Bhd *SF*

101 Thomson Road, #14-01 United Square, Singapore 1130, SINGAPORE; PH: 65/253-5555; FAX: 65/253-6555; TLX: 25087 (DEVON).
CONTACT: Eric Neo, Dir.
Soy oil products, cooking/salad oil; margarine; shortening.

Fedflour Trading (S) Pte. Ltd. ★ *C R*

Affiliate of Federal Flour Mills Berhad
15 Carpentsr Street, Singapore 0105, SINGAPORE; PH: 65/534-4722 or 534-3261; FAX: 65/532-5335; TLX: 22264 (KUOKOIL RS).
CONTACT: Kwok K. Hai, Gen. Mgr.
PLANT SUPERINTENDENT: Wong M. Fong
Solvent extraction; crush cap. 400MT/day; crude degummed soybean oil, crude soybean oil; served by ship. Refining cap. 400MT; served by ship.

Fraser & Neave (Singapore) Pte. Ltd. *SF*

457 Jalan Ahmad Ibrahim, Singapore 2263, SINGAPORE; PH: 65/861-7600; FAX: 65/861-2652.
CONTACT: Kain S. Kwok, R&D Mgr.
Soyfoods, frozen desserts; soymilk; tofu.

Yeo Hiap Seng Ltd. ★ *SF*

950 Dunearn Road, Singapore 2158, SINGAPORE; PH: 65/466-2266; FAX: 65/466-4641; TLX: (RS) 22143 (YHSL).
Other Offices: Petaling Jaya, Selangor, MALAYSIA (Yeo Hiap Seng (M) BHD) (mfg.)
CONTACT: C. T. Yeow, Bus. Dev. Mgr.
Soyfoods, YEO'S soymilk, drinks or beverages (cans & tetra-brik); YEO'S soy sauce; NATURE SOY tofu & tofu products (aseptic pack). CONTACT: Joseph Yeo.

SOUTH AFRICA

Golden Harvest Cereal Pty. Ltd. *SF IP*

Christopher St. 125, P. O. Box 43, Boksburg 1360, Transvaal, SOUTH AFRICA; PH: 284433; TLX: 350022.
CONTACT: J. Z. de Jaser, Mkting. R&D Officer
Full fat soy flour. Full fat soy flour/soy protein (industrial grade) for the baking industry.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

SPAIN

Aceites Vegetales S.A. (ACEVESA) ★★ *C*

Crta. Cartagena a los Camachos, Km. 1,5, El Hondon, Cartagena 30382, SPAIN;
Other Offices: Madrid (Bunge Iberica S.A.); Portugaleste, Vizcaya (ACEPROSA); Sevilla (ARLESA, mfg.))
CONTACT: F. Cabelos
Solvent extraction; crush cap. 1,000MT/day; storage cap. 25,000MT; crude degummed soybean oil, crude soybean oil, meal.

Aceites y Proteias S.A. (ACEPROSA) ★ *C R SF IP*

Repesga, P.O. Box 6, Portugalete 48920, SPAIN; PH: 94/496-5111; FAX: 94/496-7496; TLX: 32753 (ACEPR E).
Other Offices: Cartagena, Murcia (ACEVESA); Madrid (Bunge Iberia S.A.); Sevilla (ARLESA, mfg.)
CONTACT: S. Ausocoa Asla
Solvent extraction; crush cap. 1,500MT/day; storage cap. 45,000MT; meal; served by ship and truck. Refining cap. 240MT/day; storage cap. 10,000MT; edible soy oil products; served by ship and truck. Lecithin (edible grade); soy flour; full fat sy flour; soy oil products, cooking/salad oil. Lecithin (industrial grade); soy flour/soy protein (industrial grade); soy oil (industrial grade).

ARLESA ★ *C R SF IP*

Carretera del Copero S/N, Punta del Verde, Sevilla 44080, SPAIN; PH: 34/54/690458; TLX: 27784.
Other Offices: Cartagena (ACEVESA); Madrid (Bunge Iberica S.A.); Portugaleste, Vizcaya (ACEPROSA)
CONTACT: M. Gomez Ojeda
Solvent extraction, crush cap.600MT/day; storage cap. 10,000MT; meal; Refining cap. 150MT/day; storage cap. 10,000MT; refined soybean oil; served by ship and truck. Full fat soy flour; soy oil products, cooking/salad oil. Soy oil (industrial grade).

Bunge Iberica S.A. ★★ *C R SF IP*

MAIN OFFICE: Paseo de la Castellana 143, Madrid 28046, SPAIN; PH: 34/1/279-2902; FAX: 34/1/571-4496; TLX: 27784 (BUNGE).
Other Offices: Cartagena, Murcia (ACEVESA); Portugalete, Vizcaya (ACEPROSA); Sevilla (ARLESA, mfg.)
CONTACT: Rodolfo Lancksweert, Pres.
Solvent extraction; crush cap. 1,300MT/day; storage cap. 42,000MT; meal; served by ship and truck. Refining cap. 150MT/day; storage cap. 15,000MT; edible soy oil products, refined soybean oil; served by ship and truck. Lecithin (edible grade); full fat soy flour; soy oil products, cooking/salad oil. Lecithin (industrial grade); soy oil (industrialgrade). CONTACT: J. Juste.

Cargill España, S.A. ★ *C*

MAIN OFFICE: Avda. Diagonal, 605, Planta 5, Barcelona 08028, SPAIN; PH: 34/3/332-7454; FAX: 34/3/331-4404.
Other Offices: Tarragona
CONTACT: José M. Mateo, Head Trader
Solvent extraction; crush cap. 2,000MT/day; storage cap. 42,000MT; crude degumme soybean oil, crude soybean oil, hulls, meal; served by rail, ship and truck.

Cargill España, S.A. ★ *C R*

Calle Muelle Castilla, S/N, P.O. Box 191, Tarragona 43080, SPAIN; PH: 34/77/211208; FAX: 34/77/211400; TLX: 56509 (SILO E).
CONTACT: José M. Mateo, Head Trader
Solvent extraction; crush cap. 1,150MT/day; storage cap. 10,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail, ship and truck. Refining cap. 180MT/day; storage cap. 4,000MT; refined soybean oil; served by rail, ship and truck.

Cereol Iberica, S.A. (Kelsa) *C R SF IP*

P.O. Box 582, El Burgo, La Coruña 15080, SPAIN; PH: 34/81/66.12.50; FAX: 34/81/66.38.11.
CONTACT: Ramon Pitarque, Mgr.
PLANT SUPERINTENDENT: Antonio Iglesias
Solvent extraction; crush cap. 900MT/day; storage cap. 32,000MT; crude degummed soybean oil, meal; served by ship and truck. Refining cap. 100MT/day; storage cap. 9,300MT; crude degummed soybean oil, refined soybean oil; served by ship and truck. Soy flour; full fat soy flour. Full fat soy flour/soy protein (industrial grade) for cattle feed.

Compania Industrial y de Abastecimientos S.A. (CINDASA) ★ *C R*

Affiliate of Cargill, Inc.
Av. Diagonal 605, 4º (Edificio Heron), Barcelona 08028, SPAIN; PH: 34/3/410-6258; TLX: 22080 (DINSO).
CONTACT: Javier Losantos, Gen. Mgr.
Solvent extraction; crush cap. 4,200MT/day; crude soybean oil, hulls, meal; served by rail, truck and ship. Refining cap. 500MT/day; crude degummed soybean oil, refined soybean oil; served by truck, rail and ship.

Lucas Meyer S.A. ★ *C R SF IP*

Affiliate of Lucas Meyer GmbH & Co., Hamburg
Bailéy, 136-entlo. 3º, of. 102, Barcelona 08037, SPAIN; PH: 34/3/459-3492; FAX: 34/3/459-4406; TLX: 99703 (LUCAS E).
Other Offices: Campinas, BRAZIL; Oudenaarde, BELGIUM; Chester, ENGLAND; Le Blanc Mesnil, Cedex, FRANCE; Hamburg, FEDERAL REPUBLIC OF GERMANY; Vigonza, ITALY; Zaandaui, NETHERLANDS; Decatur, IL
CONTACT: Pedro Duenas, Man. Dir.
Animal/livestock feed. Edible soy oil products; industrial oil products. SOYAMIN 90 isolated soy proteins; TOPCITHIN, M-C-THIN, EMULFLUID, METARIN, EMULPUR, EMULGUM, LECIMULTHIN, EMULTHIN, EPICHOLIN, EPIKURON lecithins (edible grade); SOVITAL soy bran; SOYAMIN 50 soy flour; SOYAPAN, NURUPAN full fat soy flours; NURUGRAN soy grits(full fat); NURULAT full fat soy powder; VEGAFOOM soy protein (whipping); TEXTRATEIN textured soy protein; SOYAMIN 70 soy protein concentrates; SOYOCO soy kernels (full fat); soyfoods, NURAFLAKES soy flakes (full fat). LIPOTIN and LIPOWET lecithin (industrial grade) for paints, varnishes, leather, magnetic tapes, coatings, inks and cosmetics; EMULMETIK modified soya phospholipids.

Oleaginosas Españolas, S.A. (OESA) ★★ *C R SF IP*

Muelle Oeste, S/N, Barcelona 08039, SPAIN; PH: 34/3/318-2900; FAX: 43/3/318-8820.
CONTACT: Manuel Balado, Gen. Mgr.
PLANT SUPERINTENDENT: Antonio Egurrola
Solvent extraction; crush cap. 2,400MT/day; storage cap. 30,000MT; crude degummed soybean oil, meal; served by rail, ship and truck. Refining cap. 100MT/day; storage cap. 18,00MT; crude degummed soybean oil, refined soybean oil; served by rail, ship and truck. Soy flour; full fat soy flour. Full fat soy flour/soy protein (industrial grade) for cattle feed.

Sociedad Iberica de Molturacion, S.A. (SIMSA) ★ *C R SF IP*

Plaza De Chamberi 8, 7th Floor, Madrid 28010, SPAIN; PH: 34/1/447-3013; FAX: 34/1/445-5334; TLX: 27216 (SIMSA E).
Other Offices: Pontejos, Santander, SPAIN (mfg.)
CONTACT: Ignacio Aritio, Dpty. Dir. Gen.
PLANT SUPERINTENDENT: Jose L. Emparanza
Continuous screw press, solvent extraction; crush cap. 2,000MT/day; storage cap. 2,000,000 MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail, ship and truck. Refining cap. 100MT/day; storage cap. 15,000 MT; crude degummed soybean oil, refined soybean oil; served by rail, ship and truck.
CONTACT: Ignacio Aritio, Dpty. Dir. Gen.

NEED EXTRA SOYA BLUEBOOKS?
See Order Form On Page 244

Lecithin (edible grade); soy oil products, cooking/salad oil. SIMSASOL lecithin (industrial grade) for pharmaceutical, cosmetic and other industrial uses; OLEOYA soy oil (industrial grade) bottled cooking oil. CONTACT: Jesus Prieto.

Zualtzo Proteinas Vegetales ★ *C SF*

Plaza Santa Maria, 2 Bajo, Vitoria-Gasteiz 01001, SPAIN; PH: 945/288630; TLX: 35515 (COCIA E), Attention J. Arocena.
CONTACT: Javier Arocena
Continuous screw press; crush cap. 30 kilos/day; storage cap. 3MT; meal; served by truck. Soyfoods, tempeh; tofu & tofu products.

SWEDEN

Aros Sojaprodukter AB ★★ *SF*

Bergsvagen 1,S-190 63 Oroundsbro, SWEDEN; PH: 46/171/60456; FAX: 46/171/60890.
CONTACT: Dr. Ted Nordquist
Soyfoods, TOFULINE, NORDIC DELIGHT soy ice cream frozen desserts; TOFULINE tofu & tofu products; other soy-based foods, soymilk base milk replacer.

Karlshamns AB ★ *C R SF IP*

A Division of KF Industry
Vaestra Kajen, Karlshamn S-374 82, SWEDEN; PH: 46/454-82000; FAX: 46/454-12239; TLX: 4511 (AKOTRA S).
Other Offices: Columbus, OH; Kearny, NJ (Capital City Products)
CONTACT: Johan Sandberg, Dir.
PLANT SUPERINTENDENT: Tom Thörnquist
Continuous screw press; crush cap. 250MT/day; storage cap. 100,000MT; animal/livestock feed; served by rail, ship and truck. CONTACT: Hans Reutel. **Refining cap. 200MT/day; storage cap. 5,000MT; edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail, ship and truck. CONTACT:** Ole Sogard. **Soy oil products, cooking/salad oil; margarine; shortening. CONTACT:** Hakon Johnsson. **Soy oil (industrial grade) for paints; soybean fatty acids for paints. CONTACT:** Stig Nydahl.

Margarinbolaget AB ★ *SF*

Strandbergsgatan 20, P.O. Box 30025, S-104 25 Stockholm, SWEDEN; PH: 46/8/657-3700; FAX: 46/8/618-9194; TLX: 19571 (MARG S).
CONTACT: Ulf Larsson, Purchasing Mgr.
Soy oil products, cooking/salad oil; margarine; shortening.

SWITZERLAND

Galactina Ltd. ★ *C SF*

Birkenweg 1-6, Belp CH-3123, SWITZERLAND; PH: 031/81-1111; FAX: 031/81-1530; TLX: 911658 (GABI).
CONTACT: Anton von Weissenfluh, Tech. Mgr.
Solvent extraction; storage cap. 180MT; meal; served by rail and truck. CONTACT: Conrad Seewer. **Soyfoods, soymilk, drinks or beverages; tofu & tofu products.**

Oleificio SABO *C*

Via dei Solari 2, P.O. Box 3327, CH-6901 Lugano, SWITZERLAND; PH: 41/091/234461; TLX: 844457 (SABO CH).
CONTACT: Giancarlo Bordoni, Gen. Mgr.
Solvent extraction; crush cap. 30MT/day; storage cap. 4,000MT; animal/livestock feed, crude soybean oil, fully refined soybean oil; served by rail and truck.

SAIS *C R SF IP*

Affiliate of Unilever N.V., Rotterdam
Forrlibuckstrasse 10, Postfach, CH-8031 Zurich, SWITZERLAND; PH: 41/1/278-4211; FAX: 41/1/271-5068; TLX: 822750 (SAIS ZH).
Other Offices: Rotterdam, NETHERLANDS (Unilever N.V.)
CONTACT: Walter H. Hefti, Chrman.
Continuous screw press, solvent extraction; crude degummed soybean oil, crude soybean oil, meal; served by rail and truck. Crude degummed soybean oil, edible soy oil products, fractionated soy oil, hydrogenated soybean oil, industrial oil products, refined soybean oil; served by truck and rail. Soy oil products, cooking/salad oil; margarine; salad dressing; shortening. Soy oil (industrial grade); soybean fatty acids.

TAIWAN

Fong-Mao Industries Company Ltd. *C R SF IP*

No. 42-13 Houpi Village, Houpi 73101, Tainan, TAIWAN; PH: 886/6/687-1111.
CONTACT: K. Y. Lin, Gen. Mgr.
Solvent extraction;crush cap. 250MT/day; storage cap. 7,200MT; animal/livestock feed; served by rail and truck. Refining cap. 45MT/day; storage cap. 3,000MT; crude degummed soybean oil, crude soybean oil, edible soy oil products, industrial oil products, once refined soybean oil; served by truck and rail. Full fat soy flour; soy oil products, salad dressing. Soy flour/soy protein (industrial grade).

Fwu Sow Grain Products Company, Ltd. *C*

MAIN OFFICE: 45 Sha-Tyan Road, Sha-Lu, Taichung 433, TAIWAN; PH: 886/046/362-111; FAX: 886/046/358-566; TLX: 22237 (FWU SOW).

Fwu Sow Grain Products Company, Ltd. ★ *C R SF*

Taichung Harbor Plant, 98, Zih-Cheon Road, Wu-Chih, Taichung 433, TAIWAN; PH: 886/046/362111; FAX: 886/046/358-566; TLX: 22237 (FWU SOW).
Other Offices: Taipei, TAIWAN (mfg.)
CONTACT: H. Y. Wang, Vice Pres.
Solvent extraction; crush cap. 850MT/day; storage cap. 25,00MT; crude soybean oil, meal; served by truck. Refining cap. 140MT/day; storage cap. 4,000MT; edible soy oil products; served by truck. Lecithin (edible grade); soy oil products, LUCKY cooking/salad oil.

Great Wall Enterprise Company Ltd. ★ *C R SF IP*

No. 3, Niao-Sung 2nd Street, Niao-Sung Village, Yung-Kung Hsiang, Tainan Hsien 710, TAIWAN; PH: 886/06/253-1111; FAX: 886/06/253-1686; TLX: 71351 (GREATAL).
CONTACT: John C. Ou, Mgr.
Solvent extraction; crush cap. 250MT/day; storage cap. 40,00[illegible] animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck. Crude degummed soybean oil, edible soy oil products, industrial oil products, refined soybean oil; served by truck and ship. GREAT WALL lecithin (edible grade); soy flour; full fat soy flour; soy oil products, cooking/salad oil; shortening. GREAT WALL lecithin (industrial grade) for feeds; full fat soy flour/soy protein (industrial grade) for feeds; soy oil (industrial grade) for resin; soy sterols and tocopherols; soybean fatty acids.

Hsiao-Kang By-Products Factory, TSC *C SF*

133, Hsiao-Kang Road, Kao-Hsiung 81206, TAIWAN; PH: 886/821-4160.
CONTACT: C. W. Chen, Plant Mgr.
PLANT SUPERINTENDENT: C. W. Chen
Solvent extraction; crush cap. 340MT/day; storage cap. 25,000MT; animal/livestock feed, crude oil, edible soy oil products, fully refined oil, hydrogenated oil, meal; served by truck. Soy oil products, cooking/salad oil. CONTACT: T. W. Tang, Plant Mgr.

President Enterprises Corp. *R SF*

301 Chung-Cheng Road, Yan Hamg, Yeong Kang Shiang, Tainan Hsien 71007, TAIWAN; PH: 886/6/253-2121; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Gen. Mgr.
Refining cap. 120MT/day; storage cap. 1,000MT; edible soy oil products; served by truck. CONTACT: C. Yang.
Lecithin (edible grade); soy oil prod-

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner
SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products
★ Updated Listing
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ucts, cooking/salad oil; margarine; shortening soyfoods, soymilk, drinks or beverages; soy sauce. CONTACT: Hua-Yang Lee.

Tay Shan Enterprise Company Ltd. *C SF IP*

178 Nanking E. Road, Sec. 2, 14th Floor, Taipei, TAIWAN; PH: 886/2/506-4152; TLX: 22863 (SUNRISE).
CONTACT: James T. Chan. Chman./CEO
Solvent extraction; crush cap. 600MT/day; crude oil, edible soy oil products; fully refined oil, industrial soy products, meal; served by rail and truck. Soy oil products, TAY SHAN cooking/salad oil. Soy sterols & tocopherols.

Wan Jia Shiang Brewery Company Ltd. *SF*

80-1, Hope Street, Sun Chung City, Taipei, TAIWAN; PH: 886/2/995-6622; TLX: 25852 (JOY TW).
Other Offices: Middletown, NY
CONTACT: Jen-Chun Wu, Vice Pres.
Soyfoods, WAN JA SHAN soy sauce.

THAILAND

Green Spot (Thailand) Ltd. *C SF*

79 Pattanakarn 3 Road, Bangkok 10240, THAILAND; PH: 66/2/377-5088.
CONTACT: C. C. Cheung, Gen. Mgr.
Continuous screw press; crush cap. 10MT/day; storage cap. 800MT. Soyfoods, VITAMILK soymilk, drinks or beverages.

Industrial Enterprises Company Ltd. ★ *C R SF*

179 Surawong Road, Bang Rak, P.O. Box 2142, Bangkok 10500, THAILAND; PH: 66/2/235-4853-9; FAX: 66/2/237-4610; TLX: 82649 (IDC TH).
Other Offices: Nonthburi (mfg.)
CONTACT: Adun Adulayavichit, Man. Dir.
Solvent extraction, crush cap. 1,000MT/day; storage cap. 30,000MT. Refining cap. 100MT/day; refined soybean oil. Soy oil products, cooking oil.

Nestle (Thailand) Ltd. *SF*

149 Teparuk Road, Samrong, P.O. Box 11-160, Bangkok, THAILAND; PH: 3940-946 or 3940-947; TLX: 87384 (NESTHAI TH).
CONTACT: J. L. Wood, Factory Mgr.
Soyfoods, BONUS soymilk, drinks or beverages.

Patum Vegetable Oil Company, Ltd. *R SF IP*

733/23 Charansanitwong Road, Bangkok 10700, THAILAND; PH: 66/2/424-1165; TLX: 086-82431 (PATUM TH).
Other Offices: Lardlumkaew, Patumthanee
CONTACT: Prakit Triyanond, Gen. Mgr.
Refining cap. 100MT/day; storage cap. 3,000MT; edible soy oil products, industrial oil products, refined soybean oil; served by truck, barge and ship. Soy oil products, GAYSORN, KORNA cooking/salad oil; soy oil (edible grade) for canned tuna. Alkyd resin for paint industry; soybean fatty acids.

Thanakorn Vegetable Oil Products Company, Ltd. *C R SF IP*

99 Soi Thanakorn, Phra Pradaeng Road, P.O. Box 13-5, Bangkok 10130, THAILAND; PH: 66/2/425-8930; TLX: 086-84031 (TANAOIL TH).
CONTACT: Vibul Sarakitpricha, Man. Dir.
Solvent extraction; crush cap. 800MT/day; storage cap. 20,000MT; meal; served by barge and truck. Refining cap. 100MT/day; storage cap. 6,000MT; crude degummed soybean oil, edible soy oil products, refined soybean oil; served by truck and barge. Soy oil products, cooking/salad oil; COOK and THANA mixed oils with rice brand and kapok seeds. Soy oil (industrial grade) for paints & varnishes.

Thanakorn Vegetable Oil Products Company, Ltd. *C R IP*

99 Soi Thanakorn, Phra Samutjedi Road, Samutprakayn 10290, THAILAND; PH: 66/2/436-9319; FAX: 66/2/425-8938; TLX: (TH) 82940 (POON PHOL).
Other Offices: Bangkok, THAILAND
CONTACT: Yook Mahaisiriyodom, Raw Material Mgr.
Solvent extraction; crush cap. 800-1000MT/day; storage cap. 20,000MT; animal/livestock feed; served by ship and truck. Refining cap. 100MT/day; storage cap. 2000MT; edible soy oil products, refined soybean oil; served by ship and truck. Soy oil (industrial grade).

TRINIDAD & TOBAGO

Lever Brothers WI Ltd.

Eastern Main Road, P.O. Box 295, Champs Fleurs, Port of Spain, TRINIDAD; PH: 809/663-1787; FAX: 809/663-1787; TLX: 24544 (VEGOIL WG).
Other Offices: New York, NY

National Flour Mills Ltd. *C R IP*

27-29 Wrightson Road, Port of Spain, TRINIDAD & TOBAGO; PH: 809/625-2336; FAX: 809/62-2236.
CONTACT: P. M. Bell, Mgr.
Solvent extraction; crush cap. 300MT/day; storage cap. 9,000MT; crude degummed soybean oil, hulls, meal; served by ship and truck. CONTACT: G. Charles. **Refining cap. 55MT/day; storage cap. 1,500MT; crude degummed soybean oil, hydrogenated soy oil, refined soybean oil; served by ship and truck. CONTACT:** G. Charles. **Soy oil (industrial grade).**

TURKEY

Bag Yaglari Sanayi ve Ticaret T.A.S. *C R IP*

Affiliate of Bagiai Yag Sanayi Tesisleri Isletmeciligi
1520 Sokak No. 36, P.O. Box 15, Izmir 35230, TURKEY; PH: 90/51/223621 (4 lines); FAX: 90/51/219181; TLX: 52221 (GML).
CONTACT: Ruso Moris, Man. Dir.
Solvent extraction; crush cap. 600MT/day; storage cap. 20,000MT; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, ship and truck. Refining cap. 100MT/day; storage cap. 3,500MT; crude degummed soybean oil, refined soybean oil; served by barge, ship and truck. Soy flour/soy protein (industrial grade) full fat; soy oil (industrial grade).

Marsa Margarin Sanayi A.S. *C R SF IP*

Doseme Mahallesi No. 4, P.O. Box 137, Adana 01130, TURKEY; PH: 90/711/15080; TLX: 62234 (MARG TR).
CONTACT: Aziz Koseoglu, Gen. Mgr.
Continuous screw press, solvent extraction; crush cap. 250MT/day; storage cap. 15,000MT; crude soybean oil, meal; served by rail, ship and truck. Refining cap. 20,000MT/day; crude degummed soybean oil, hydrogenated soy oil, refined soybean oil; served by truck, rail and ship. Soy oil products; SAY cooking/salad oil; EVIN, BUKET, USTAM margarine; EVET, SABAH, AKYAG, AKBIS shortening. Soy oil (industrial grade).

Paksoy Ticaret ve Sanayi AS *C R SF IP*

Karatas Yolu 184, P.O. Box 144, Adana, TURKEY; PH: 90/71/210763; FAX: 90/71/211534; TLX: 62739 (SADE TR).
CONTACT: Ibrahim Paksoy, Asst. Gen. Mgr.
Solvent extraction; crush cap. 400MT/day; storage cap. 20,000MT; crude degummed soybean oil, meal; served by rail, ship and truck. Refining cap. 400MT/day; storage cap. 15,000MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; served by rail, truck and ship. Soy flour; soy oil products, cooking/salad oil; margarine; shortening. Lecithin (industrial grade).

UNITED STATES OF AMERICA (U.S.A.)

Ag Processing Inc. ★ *C R SF IP*

MAIN OFFICE: Burt Plaza, 11717 Burt Street, Suite 200, Omaha, NE, 68154-1581 U.S.A.; PH: 402/496-7809; FAX: 402/498-2215.
Other Offices: Van Buren, AR; Eagle Grove, IA; Mason City, IA; Manning, IA, Sergeant Bluff, IA; Sheldon, IA; Dawson, MN; St. Joseph, MO; Denison, TX
CONTACT: James Yeates, Vice pres., Corp. Operations
Solvent extrction; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal, white flakes for edible purposes; served by barge, rail and truck. Crude degummed soybean oil, edible soy oil products; served by barge, rail and truck. Lecithin (edible grade); soy flour; soy grits; soy oil products, AGSOY cooking/salad oil. Lecithin (industrial grade); soy flour/ soy protein (industrial grade); soy oil (industrial grade); soy sterols and tocopherols; soybean fatty acids.
CONTACT: Joe Meyer.

Ag Processing Inc. ★ *C*

Kibler Road, P.O. Box 389, Van Buren, AR, 72956-0389 U.S.A.; PH: 501/474-6871.
CONTACT: Fred Stephenson, Acting Mgr.
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

N. Commercial Stret, P.O. Box 85, Eagle Grove, IA, 50533-0085 U.S.A.; P H: 515/448-4711; TLX: 467762.
CONTACT: Terry McClatchey, Merch'g. Mgr.
PLANT SUPERINTENDENT: Phil Huffamn
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

P.O. Box 187, Manning, IA, 51455-0187 U.S.A.; PH: 712/653-3985.
CONTACT: Cal Meyer, Merch'g. Mgr.
PLANT SUPERINTENDENT: Mark Craigmile
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

1605 19th Street, S.W., P.O. Box 1068, Mason City, IA, 50401-6334 U.S.A.; PH: 515/423-4733.
CONTACT: Jerry Moyer, Merch'g. Mgr.
PLANT SUPERINTENDENT: Carl Parker
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

Port Neal Industrial Area, P.O. Box 200, Sergeant Bluff, IA, 51054-0200 U.S.A.; PH: 712/943-4282.
CONTACT: Rich Lee, Merch'g. Mgr.
PLANT SUPERINTENDENT: Jeff Rogers
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

804 Second Avenue, P.O. Box 220, Sheldon, IA, 51201-1404 U.S.A.; PH: 712/324-2531.
CONTACT: Oscar Benson, Merch'g. Mgr.
PLANT SUPERINTENDENT: Dave Nestor
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

8th & Diagonal, P.O. Box BB, Dawson, MN, 56232-1020 U.S.A.; PH: 612/769-4386.
CONTACT: Lenny Miller, Merch'g. Mgr.
PLANT SUPERINTENDENT: Lee Gunderson
Solvent extraction; meal.

Ag Processing Inc. ★ *C*

900 Lower Lake Road, P.O. Box 427, St. Joseph, MO, 64502-0427 U.S.A.; PH: 816/238-1700.
CONTACT: Gary Olsen, Merch'g. Mgr.
PLANT SUPERINTENDENT: Mel Holder
Solvent extraction; meal.

Aloha Tofu Factory Inc. *SF*

961 Akepo Lane, Honolulu, HI, 96817 U.S.A.; 808/845-2669; FAX: 848-4607.
CONTACT: Jack Uyehara, Exec. Vice Pres.
Soyfoods, tofu & tofu products.

The American Miso Company ★ *SF*

Affiliate of Great Eastern Sun, Inc. Rt. 3, Box 541, Rutherfordton, NC, 28139 U.S.A.; PH: 704/287-2940; FAX: 704/286-0311.
Other Offices: Asheille, NC
CONTACT: Donald J. DeBona, Pres.
Soyfoods, MISO MASTER organic miso.

American Natural Snacks, Inc. *SF*

Affiliate of Tree of Life, Inc. 1755 Lakeside Drive, P.O. Box 1067, St. Augustine, FL, 32084 U.S.A.; PH: 904/825-2039; FAX: 904/825-2024.
CONTACT: Casey Van Rysdam, Pres.
Soyfoods, other soy-based foods, SOYA KAAS soy cheese.

American Pride Soyfoods, Inc. *SF*

612 W. Kirkwood, Fairfield, IA, 52556 U.S.A.; PH: 515/472-9269.
CONTACT: Alex Green, Pres.
Soyfoods, AMERICAN PRIDE tofu & tofu products.

American Soy Products ★ *SF*

1474 N. Woodland Drive, Saline, MI, 48176 U.S.A.; PH: 313/429-2310; FAX: 313/429-2112.
CONTACT: James Fox, Vice Pres.
Soyfoods, soymilk, drinks or beverages, original, vanilla and carob flavors.

Archer Daniels Midland Company ★ *C R SF*

MAIN OFFICE: 4666 Faries Parkway, P.O. Box 1470, Decatur, IL, 62525 U.S.A.; PH: 217/424-5200; FAX: 217/424-5447; TLX: 25-0121 (ADM CO DTR).
Other Offices: Little Rock, AK; Augusta, Valdosta, GA; Des Moines, IA; Frankfort, IN; Champaign, Galesburg, Granite City, Taylorvile, IL; Fredonia, KS; Mankato, MN; N. Kansas City, Mexico, MO; Clarksdale, MS; Fremont, Lincoln, NE; Fostoria, OH; Kershaw, SC; Windsor, Ontario, CANADA (ADM Agri-Industries, Ltd. d/b/a/ Maple Leaf Monarch); Spyck, GERMANY (ADM Oelmuehlen GmbH); Rotterdam, NETHERLANDS (A.D.M. Company Europe); Europoort, NETHERLANDS (A.D.M. Europoort).
CONTACT: John Rice, Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal, white flakes for edible purposes; served by rail and truck.
CONTACT: John Rice. **Crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by rail and truck.**
CONTACT: James Stowell. **Isolated soy proteins; lecithin (edible grade); simulated meat products; soy flour; full fat soy flour; textured soy flour; soy grits; soy protein concentrates.**
CONTACT: Roger Kilburn.

See Our Advertisement Back Cover

Archer Daniels Midland Company ★ *C*

Foot of E. 9th Street, P.O. Box 30, Little Rock, AR, 72203 U.S.A.; PH: 501/372-0277; FAX: 501/372-0276; TLX: 25-0121 (ADM CO DTR).
CONTACT: Bob Pflaum, Mgr.
Solvent extraction; crude soybean oil, hulls, meal.

Archer Daniels Midland Company ★ *C*

960 Molly Pond Road, P.O. Box 729, Augusta, GA, 30903 U.S.A.; PH: 404/722-3165; FAX: 404/722-3165; TLX: 25-0121 (ADM CO DTR).
CONTACT: Bob Meismer, Mgr.
Solvent extraction; hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

P.O. Box 1589, Valdosta, GA, 31603 U.S.A.; PH: 912/242-0100; FAX: 912/242-7422; TLX: 25-0121 (ADM CO DTR).
CONTACT: Scott Frederickson, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C R*

P.O. Box C, Des Moines, IA, 50316 U.S.A.; PH: 515/263-3256; FAX: 515/263-3282; TLX: 25-0121 (ADM CO DTR).

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner
SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products
★ Updated Listing
★★ New Listing

CONTACT: Royce Wilken, Mgr. **Solvent extraction; crude degummed soybean oil, hulls, meal; served by rail and truck. CONTACT:** Royce Wilken, Mgr. **Crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by rail and truck. CONTACT:** Jim Stowell.

Archer Daniels Midland Company ★ *C*

Wilbur Heights Road, P.O. Box 68, Champaign, IL, 61820 U.S.A.; PH: 217/424-5422; FAX: 217/424-5447; TLX: 25-0121 (ADM CO DTR).
CONTACT: John Rice, Mgr.
Solvent extraction; hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

1021 S. Henderson Street, P.O. Box 711, Galesburg, IL, 61401 U.S.A.; PH: 309/343-1155; FAX: 309/343-0056; TLX: 25-0121 (ADM CO DTR).
CONTACT: Kevin Burgard, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

P.O. Box 1249, Granite City, IL, 62040 U.S.A.; PH: 618/931-8249; FAX: 618/797-2989; TLX: 25-0121 (ADM CO DTR).
CONTACT: Arnie Blackfelner, Mgr.
Solvent extraction; crude soybean oil, hulls, meal.

Archer Daniels Midland Company ★ *C*

No. Route 48, P.O. Box 139, Taylorville, IL, 62568 U.S.A.; PH: 217/824-3371; FAX: 217/824-3371; TLX: 25-0121 (ADM CO DTR).
CONTACT: Dale Royer, Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C R*

Blinn Road, P.O. Box 249, Frankfort, IN, 46041 U.S.A.; PH: 317/654-8426; FAX: 317/654-8426; TLX: 25-0121 (ADM CO DTR).
CONTACT: Dave Marshall, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck. Crude degummed soybean oil; served by rail and truck.

Archer Daniels Midland Company ★ *C*

209 W. Adams Street, P.O. Box 558, Fredonia, KS, 66736 U.S.A.; PH: 316/378-2102; FAX: 316/378-4566; TLX: 25-0121 (ADM CO DTR).
CONTACT: Kirk Hartnett, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

Third & Harper Streets, P.O. Box 728, Mankato, MN, 56001 U.S.A.; PH: 507/625-7947; FAX: 507/625-8420; TLX: 25-0121 (ADM CO DTR).
CONTACT: Dan Larson, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

400 E. Holt Street, P.O. Box 797, Mexico, MO, 65265 U.S.A.; PH: 314/581-4195; FAX: 314/581-2056; TLX: 25-0121 (ADM CO DTR).
CONTACT: Greg Webb, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

200 W. 19th Avenue, P.O. Box 12567, N. Kansas City, MO, 64116 U.S.A.; PH: 816/221-2117; FAX: 816/221-1468; TLX: 25-0121 (ADM CO DTR).
CONTACT: Pat Schroder, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

Lyon Road, P.O. Box 10, Clarksdale, MS, 38614 U.S.A.; PH: 601/627-9245; FAX: 601/624-8693; TLX: 25-0121 (ADM CO DTR).
CONTACT: Tommy Simms, Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

130 N. Broad, P.O. Box 1286, Fremont, NE, 68025 U.S.A.; PH: 402/721-6798; FAX: 402/721-6798; TLX: 25-0121 (ADM CO DTR).
CONTACT: Jim Hansen, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C R SF*

78th & Thayer, P.O. Box 29268, Havelock Station, Lincoln, NE, 68529 U.S.A.; PH: 402/464-9131; FAX: 402/464-3757; TLX: 25-0121 (ADM CO DTR).
CONTACT: Randy Neumayer, Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck. CONTACT: Jim Stowell. **Crude degummed soybean oil, edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by rail and truck. Lecithin (edible grade); soy oil products, cooking/salad oil; margarine; shortening.**

Archer Daniels Midland Company ★ *C*

608 Findlay Road, P.O. Box 110, Fostoria, OH, 44830 U.S.A.; PH: 419/435-6633; FAX: 419/435-6472; TLX: 25-0121 (ADM CO DTR).
CONTACT: Brian Forster, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Archer Daniels Midland Company ★ *C*

427 N. Hampton, P.O. Box 10913, Kershaw, SC, 29067 U.S.A.; PH: 803/475-3029; FAX: 803/475-8245; TLX: 25-0121 (ADM CO DTR).
CONTACT: Ray Sertain, Mgr.
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Arrowhead Mills, Inc. ★ *SF*

110 S. Lawton, P.O. Box 2059, Hereford, TX, 79045 U.S.A.; PH: 806/364-0730; FAX: 806/364-8242.
CONTACT: Boyd Foster, Pres.
Full fat soy flour, 12 and 24 ounce cases and 30 pound bags; soyfoods, whole grain soy flakes, 12 and 1 pound cases. CONTACT: Pete Holcombe.

Ashland Soy Works ★ *SF*

280 Helman Street, Ashland, OR, 97520 U.S.A.; PH: 503/482-1865.
Soyfoods, soymilk, drinks or beverages; tofu; other soy-based foods, various. CONTACT: James Muhs.

Atomergic Chemetals Corporation ★ *SF IP*

222 Sherwood Avenue, Farmingdale, NY, 11735-1718 U.S.A.; PH: 516/694-9000; FAX: 516/694-9177; TLX: 6852289.
CONTACT: Paula Weiss, Mktng. Mgr.
Lecithin (edible grade); isolated soy proteins; other soy-based foods, Saponin. Soy sterols & tocopherols.

Avatar Corporation *SF IP*

7728 W. 99th Street, Hickory Hills, IL, 60457 U.S.A.; PH: 708/430-4200.
Other Offices: Minneapolis, MN (warehouse)
CONTACT: Michael L. Shamie, Pres.
LSC 3070, LSC 5040 lecithin (edible grade); soyfoods, other soy-based foods, DPO-100, BROWN 'N SERVE oil (bread pan oils); CO 8020 (release agents). CONTACT: Matthew Peterschmidt. **pharmaceutical grade triglycerides (soy based).**

Azumaya Inc. ★ *SF*

1575 Burke Avenue, San Francisco, CA, 94124 U.S.A.; PH: 415/285-1130; FAX: 415/285-0327.
CONTACT: William Mizono, Pres.
Soyfoods, tofu & tofu products, AZUMAYA Japanese tofu; Chinese 2 pe; kinugoshi; other soy-based foods, STIR FRUITY, creamy tofu treat.

BAR N.A., Inc. ★ *C SF*

205 S. Main Street, P.O. Box 190, Seymour, IL, 61875 U.S.A.; PH: 217/687-4810; FAX: 217/687-4830; TLX: 754477 (BAR NA UD).
CONTACT: Julie Ohlsson, Admin. Asst.
Continuous screw press; crush cap.

10MT/day; crude degummed soybean oil, meal. Soy flour, stone ground, natural; extruded full fat soy flour.

Barricini Foods, Inc. ★ *SF*
Affiliate of Farm Foods
49 Old Bloomfield Avenue,
Mountain Lakes, NJ, 07046 U.S.A.;
PH: 201/334-0101; FAX: 201/334-1630.
CONTACT: Steve A. Myers, Vice P res., Sales
Soyfoods, TOFULITE nondairy frozen desserts, pints and bars; ICE BEAN nondairy frozen desserts, pints, quarts, bars and sandwiches, honey sweetened nondairy.

Best Foods, CPC International, Inc. ★ *SF*
International Plaza, P.O. Box 8000,
Englewood Cliffs, NJ, 07632 U.S.A.;
PH: 201/894-4000; FAX: 201/894-2186;
TLX: 135440.
CONTACT: Roger Knapp, Dir., Comm. Purch.
Soy oil products, MAZOLA cooking/salad oil; MAZOLA margarine; HELLMANN'S, BEST FOODS salad dressing.

Betsy's Tempeh ★ *SF*
14780 Beardslee Road, Perry, MI,
48872 U.S.A.; PH: 517/675-5213.
CONTACT: Betsy Shipley, Mgr.
Soyfoods, BETSY'S tempeh (grated & patties). CONTACT: Gunter Pfaff.

Bountiful Bean ★ *SF*
620 Main Street, P.O. Box 329,
Ridgeway, WI, 53582-0329 U.S.A.;
PH: 608/924-1703.
CONTACT: Hilary Kamda.
Soyfoods, plain, vanilla & malt flavored soymilk, drinks or beverages (qt. or gal. sizes); SOYBEAN tempeh; tofu & tofu products (plain & herbed), hummus with tofu; tabouli with tofu; TASTY TOFU (herbed tofu basted with soy sauce & baked); other soy-based foods, pia'n & vanilla flavored soy yogurt.

Bunge Corporation ★ *C*
MAIN OFFICE: 11720 Borman,
P.O. Box 28500, St. Louis, MO,
63146 U.S.A.; PH: 314/872-3030;
FAX: 314/872-0110 or 0111.
Other Offices: Decatur, AL; Marks, Vicksburg, and Jackson, MS; Cairo and Danville, IL; Emporia, KS; Destrehan, LA; Logansport, IN
CONTACT: Archie Gwathmey, Vice Pres.
Solvnt extraction.

See Our Advertisement P. 41

Bunge Corporation ★ *C*
1400 Market Street, N.E., P.O. Box
2248, Decatur, AL, 35602 U.S.A.;
PH: 205/350-4550; FAX: 205/350-1952.
CONTACT: Jack Thiessen, Dist. Mgr.
Solvent extraction; storage cap. 7,500,000BU or 204,000MT; animal/ livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail, and truck.

Bunge Corporation ★ *C*
203 34th Street, Cairo, IL, 62914 U.S.A.;
PH: 618/734-4141 o[illegible]00/851-3810;
FAX: 618/734-1515.
CONTACT: Claude J. Rose, District Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail, and truck.

Bunge Corporation ★ *C*
700 E. Sixth Avenue, P.O. Box 518,
Emporia, KS, 66801 U.S.A.; PH:
316/342-7270; FAX: 316/343-6234.
CONTACT: Tom Schmitt, Dist. Mgr.
Solvent extraction; crush cap. 1,742MT/ day; storage cap. 3.5 millionBU; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail and truck. CONTACT: Jerry Murphy.

Bunge Corporation ★ *C*
River Road, Destrehan, LA, 70047
U.S.A.; PH: 504/466-5300.
CONTACT: Frank Miller, Plant Mgr.
PLANT SUPERINTENDENT: Frank Miller
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail, truck.

Bunge Corporation ★ *C*
1000 N. Mill Street, P.O. Box 1410,
Jackson, MS, 39205 U.S.A.; PH:
601/948-5850.
CONTACT: Jim Brady, Mdsing. Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail, truck.

Bunge Corporation ★ *C*
520 Cherry Street, Marks, MS, 38646
U.S.A.; PH: 601/326-2411.
CONTACT: Mickey Lay, District Mgr.
Solvent extraction; crude degummed soybean oil; crude soybean oil, hulls, meal; served by rail, truck.

Bunge Corporation ★ *C*
P.O. Box 1378, Vicksburg, MS,
39181 U.S.A.; PH: 601/326-2411.
CONTACT: Jim Brady, Mdsing. Mgr.
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail, truck.

Bunge Foods ★ *SF*
725 N. Kinzie Avenue, Bradley, IL,
60915 U.S.A.; PH: 815/937-8736;
FAX: 815/939-4289.
Other Offices: Chattanooga, TN; Fort Worth, TX
CONTACT: John C. Brady, Vice Pres.
Soy oil products, cooking/salad oil; salad dressing; margarine; shortening.

C & T Refinery, Inc. *R SF*
Affiliate of Th C. F. Sauer Company
2000 W. Broad Street, Richmond, VA,
23220 U.S.A.; PH: 804/359-5786; FAX:
804/359-5514; TLX: 752-903 (CTRICH).
Other Offices: Charlotte, NC; Greenville, SC (The C.F. Sauer Co.); Richmond, VA (Dean Foods Co.)
CONTACT: Robert E. Holden, Vice Pres.
Edibe soy oil products, hydrogenated soy oil. Soy oil products, MASTER CHEF cooking/salad oil; margarine; DUKE'S salad dressing.

Calgene Chemical, Inc. ★ *SF IP*
Affiliate of Calgene, Inc.
600 E. Algonquin Road, Des Plaines, IL,
60016 U.S.A.; PH: 708/298-4000; FAX:
708/298-1519; TLX: 206168 (AGRO-ING).
CONTACT: Frank J. Flider, Gen. Mgr.
Lecithin (edible grade); soy oil products, cooking/salad oil; shortening. Lecithin (industrial grade);soy oil (industrial grade). CONTACT: Ed Trauth.

Cargill, Inc.
MAIN OFFICE: 15615 McGinty Road
West, P.O. Box 9300, Minneapolis,
MN, 55440 U.S.A.; PH: 612/475-5365;
TLX: 29-0794.
Other Offices: Wichita, KS; Des Moines, IA; Savage, MN; Cedar Rapids, IA; Sioux City, IA; Iowa Falls, IA; Kansas City, MO; Sidney, OH; Bloomington, IL; Lafayette, IN; Gainesville, GA;Fayetteville, NC; Chesapeake, VA; Raloigh, NC; Buenos Aires, ARGENTINA; Melbourne, AUSTRALIA; West Footscray, AUSTRALIA; Queensland, AUSTRALIA; Antwerp, BELGIUM; São Paulo, SP, BRAZIL; Bootle, Liverpool, Merseyside, ENGLAND; Brest, FRANCE; St. Nazaire, FRANCE; Amsterdam, NETHERLANDS; Madrid, SPAIN
CONTACT: John March, Exec. Vice Pres.

Cargill, Inc. *C R*
949 Ridge Road, P.O. Box 1298,
Gainesville, GA, 30503 U.S.A.; PH:
404/531-4700; FAX: 404/531-4757.
CONTACT: Wayne Tiddy, Acct. Mgr.
Solvent extraction. Hydrogenated soy oil, refined soybean oil.

Cargill, Inc. *C R SF IP*
411 6th Street N.E., P.O. Box 1748,
Cedar Rapids, IA, 52406 U.S.A.; PH:
319/399-4025; FAX: 319/399-4046.
CONTACT: Larry Fogdall
Solvent extraction. Soy flour; soy grits. Soy flour/soy protein (industrial grade).

Cargill, Inc. *C R*
3030 S.E. Granger, P.O. Box 1636,
Des Moines, IA, 50306 U.S.A.; PH:
515/263-3115.
CONTACT: Bruce Leslie, Acct. Mgr.
Solvent extraction. Refined soybean oil.

Cargill, Inc. *C*
P.O. Box 788, Iowa Falls, IA,
50126 U.S.A.; PH: 515/648-5101.
CONTACT: Ted Williams
Solvent extraction.

Cargill, Inc. *C R*
980 Clark Street, Sioux City, IA,
51102 U.S.A.; PH: 712/279-1220.
CONTACT: Doug Debelak
Solvent extraction. Hydrogenated soy oil, refined soybean oil.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

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Cargill, Inc. *C R SF IP*
P.O. Box 1286, Bloomington, IL, 61702 U.S.A.; PH: 309/827-7100.
CONTACT: Dave Cyrus, Mgr.
Solvent extraction. Soy grits. Soy flour/ soy protein (industrial grade); soy oil (industrial grade).

Cargill, Inc. *C R SF IP*
P.O. Box 119, Lafayette, IN, 47902 U.S.A.; PH: 317/423-1511.
CONTACT: John Bill
Solvent extraction. Soy grits. Soy flour/ soy protein (industrial grade); soy oil (industrial grade).

Cargill, Inc. *C R*
1501 N. Mosley, P.O. Box 2696, Wichita, KS, 67201 U.S.A.; PH: 316/292-2380.
CONTACT: Doug Debelak, Acct. Mgr.
Solvent extraction. Hydrogenated soy oil, refined soybean oil.

Cargill, Inc. *C*
DSP Division, 12115 Lynn Avenue, So., Savage, MN, 55378 U.S.A.; PH: 612/894-3190.
CONTACT: Ron Scarborough, Mdsing. Mgr.
Solvent extraction.

Cargill, Inc. *C*
2306 Rochester Avenue, P.O. Box 33413, Kansas City, MO, 64120 U.S.A.; PH: 816/245-0500.
CONTACT: Curt Johnson, Acct. Mgr.
Solvent extraction.

Cargill, Inc. *C R*
River Road, P.O. Box 2309, Fayetteville, NC, 28302 U.S.A.; PH: 919/433-4900.
CONTACT: Bob Drake
Solvent extraction. Refined soybean oil.

Cargill, Inc. *C*
P.O. Box 26987, Raleigh, NC, 27611 U.S.A.; PH: 919/899-6600.
CONTACT: Doug Fink
Solvent extraction.

Cargill, Inc. *C*
2400 Industrial Drive, Sidney, OH, 45365 U.S.A.; PH: 513/498-4551.
CONTACT: Mike Venker, Acct. Mgr.
Solvent extraction.

Cargill, Inc. *C*
P.O. Box 7506, Chesapeake, VA, 23324 U.S.A.; PH: 804/545-8461.
CONTACT: Jim Bohlander
Solvent extraction.

Cemac Foods Corporation ★ *SF*
90 West Street, New York, NY, 10006 U.S.A.; PH: 212/964-8740; FAX: 212/791-1863; TLX: 232098 or 62849 or 420538 (BERN UR).
CONTACT: Thomas W. May, Vice Pres.
Soyfoods, tofu & tofu products; other soy-based foods, NU-TOFU cheese alternative.

Central Soya Company, Inc. ★
AIN OFFICE: 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN, 46801-1400 U.S.A.; PH: 219/425-5100; FAX: 219/425-5153; TLX: 276170 (CENSOYA FWA A).
Other Offices: Decatur, IN; Indianapolis, IN; Remington, IN; Gibson City, IL; Bellevue, OH; Delphos, OH; Marion, OH; Hamilton, Ontario, CANADA (Central Soya of Canada Ltd.)
CONTACT: Barry G. Collinsworth, Corp. Comm. Mgr.

Central Soya Company, Inc. ★ *C SF IP*
Rts. 47 and 9, Box 112, Gibson City, IL, 60936 U.S.A.; PH: 217/784-8261.
CONTACT: Gary Hammond, Merch. Mgr.
Solvent extraction; crude degummed soybean oil, hulls, meal; served by rail and truck. CONTACT: Gary Hammond. **CENTROCAP lecithin (edible grade); SOYARICH soy flour; CENTEX and MIRATEX textured soy flour; PROMOSOY, PROCON, RESPONSE and PROCON (textured) soy protein concentrates. CENTROMIX lecithin (industrial grade) for paint, ink and animal feed. CONTACT:** John Lobe.

Central Soya Company, Inc. ★ *C R SF*
1200 N. 2nd Street, P.O. Box 1002, Decatur, IN, 46733-5002 U.S.A.; PH: 219/724-2101; TLX: 6711149 (CENSOY UW).
CONTACT: Joe Brockelsby
Solvent extraction; crude degummed soybean oil, crude soybean oil, hulls, meal; served by rail and truck. CONTACT: Jeff Fritz. **Hydrogenated soybean oil, refined soybean oil; served by rail and truck. CONTACT:** Gary Chenoweth (PH: 219/425-5609). **CENTROPHASE, CENTROLENE, BLENDMAX, CENTROL, ACTIFLO liquid lecithins (edible grade). CONTACT:** Charles T. Worrall (PH: 219/425-5361).

Central Soya Company, Inc. ★ *C*
1160 W. 18th Street, P.O. Box 44570, Indianapolis, IN, 46244 U.S.A.; PH: 317/632-8441.
CONTACT: Neil McGough
Solvent extraction; crude degummed soybean oil, hulls, meal; served by rail and truck.

Central Soya Company, Inc. ★★ *SF*
413 Cressy Avenue, P.O. Box 127, Remington, IN, 47977 U.S.A.; PH: 219/261-2124; FAX: 219/261-2390.
CONTACT: Ray Bowns
Soy protein concentrates.

Central Soya Company, Inc. ★ *C R SF IP*
605 Goodrich Road, P.O. Box 369, Bellevue, OH, 44811 U.S.A.; PH: 419/483-5340.
CONTACT: Ralph Enstad
Solvent extraction; crude degummed soybean oil, hulls, meal; served by rail and truck. CONTACT: Ralph Enstad. **Crude degummed soybean oil, refined soybean oil; served by truck and rail. CONTACT:** Dan Kramer (PH: 291/425-5752). **CENTROLEX granules, CENTROPHIL liquid, CENTROL liquid lecithins (edible grade). CONTACT:** Charles T. Worrall (PH: 219/425-5361). **Industrial soy oil. CONTACT:** Dan Kramer (PH: 219/425-5752).

Central Soya Company, Inc. ★ *C*
234 S. Jefferson Street, P.O. Box 485, Delphos, OH, 45833 U.S.A.; 1PH: 419/692-6010.
CONTACT: Noel Kimmel
Solvent extraction; crude soybean oil, hulls, meal; served by rail and truck.

Central Soyfoods ★★ *SF*
11 W. 14th Street, Lawrence, KS, 66044 U.S.A.; PH: 913/843-0653.
CONTACT: Jim Cooley, Partner
Soyfoods, soymilk, drinks or beverages; tempeh; tofu & tofu products, regular and smoked.

Central Valley Vegetable Oils ★ *C R SF*
2838 Leonis Blvd., P. O. Box 86312, Los Angeles, CA 90058-863 U.S.A.; PH: 213/587-5952; FAX: 213/587-5905; TLX: 691556 (PROIN LSA).
CONTACT: Jaime Ruiz
Continuous screw press; animal/ livestock feed, crude soybean oil; served by truck. Soy oil products, MANCAO margarine (cocoa butter substitute).

Champlain Industries, Inc. ★★ *SF*
MAIN OFFICE: 25 Styertowne Road, Clifton, NJ, 07012 U.S.A.; PH: 201/778-0094 or 800/222-4904; FAX: 201/778-0094.
Other Offices: Cornwall, Ontario, CANADA; Harbor Beach, MI
CONTACT: Rudy J. Krukar, Vice Pres., Sales & Mktng.
PLANT SUPERINTENDENT: Miguel Graniello
Soyfoods, other soy-based foods, nutritional yeast.

Champlain Industries, Inc. ★★ *SF*
79 State Street, Harbor Beach, MI, 48441 U.S.A.; PH: 517/479-3211; FAX: 517/479-3320.
Other Offices: Cornwall, Ontario, CANADA; Clifton, NJ
CONTACT: Jim Tenbusch
PLANT SUPERINTENDENT: Jim Tenbusch
Hydrolized vegetable protein.

Charlie Lin's "Vitalite" Foods ★★ *SF*
103 S. Westminster Street, Box 10, Waynesfield, OH, 45896 U.S.A.; PH: 419/225-5139 or 569-8638.
Other Offices: Lima, OH (office)

CONTACT: Charles Meeker, Pres.
PLANT SUPERINTENDENT: Lisa Bolender
Simulated meat products (analogs), substitute for pork and beef fats, sausage or beef patties; soy fiber; soyfoods, soymilk, drinks or beverages, natural soy drink and non-dairy soy drink; tofu & tofu products, firm and medium firm, retail and bulk pack; other soy-based foods, sausage, link and patty; beef pattie.

W. A. Cleary Products, Inc. ★ *SF IP*

1049 Somerset Street, P.O. Box 10, Somerset, NJ, 08873 U.S.A.; PH: 908/247-8000; FAX: 908/247-6977.
CONTACT: Margaret (Peggy) A. Cleary, Pres.
Lecithin (edible grade). Lecithin (industrial grade).

See Our Advertisement P. 33

Clofine Dairy & Food Products, Inc. ★ *SF*

1407 New Road, Box 335, Linwood, NJ, 08221 U.S.A.; PH: 609/653-1000; FAX: 609/653-0127; TLX: 132622 (CLOFINE DAIRY).
CONTACT: Edward Pedrick, Specialty Prod.
Soyfoods, frozen desserts; soymilk, drinks or beverages; spray-dried tofu; spray-dried soymilk; tofu & tofu products; other soy-based foods, dry tofu bases for frozen desserts, beverages, baking and salad dressings.

See Our Advertisement P. 49 & 54

Colfax, Inc. *R SF*

MAIN OFFICE: 38 Colfax Street, Pawtucket, RI, 02860 U.S.A.; PH: 401/724-3600; FAX: 401/724-4313.
Other Offices: Philadelphia, PA
CONTACT: Michael B. Dressler, Treas.
Refining cap. 600MT/day; storage cap. 4,500MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; Soy oil products, COLFAX and private labels cooking/salad oil; COLFAX and private labels shortening.

Colfax of Philadelphia, Inc. *R SF*

38 Colfax Street, Pautucket, RI, 02850 U.S.A.; PH: 215/423-4242; FAX: 215/423-2231.
CONTACT: Gary R. Dressler, Mgr.
Crude degummed soybean oil, edible soy oil products; refined soybean oil; served by truck, barge, rail and ship. Soy oil products, COLFAX, YOLANDA, POPSIT PLUS cooking/salad oil.

Continental Grain Company

277 Park Avenue, New York, NY, 10172 U.S.A.; PH: 212/207-5530; FAX: 212/207-5261.
Other Offices: Guntersville, AL
CONTACT: Ronald L. Anderson, Sr. Vice Pres. & Gen. Mgr.

Continental Grain Company, Processing Division *C*

2900 Lake Guntersville Park Drive, Guntersville, AL, 35976 U.S.A.; PH: 205/582-9924.
CONTACT: William H. Yochum
Solvent extraction; crush cap. 1,400MT/day; storage cap. 3,000,000BU; crude degummed soybean oil, crude soybean oil, hulls, meal; served by barge, rail and truck.

Conway Oil Company ★ *R SF IP*

1405 W. Washington Street, Denison, TX, 75020 U.S.A.; PH: 903/465-3655; FAX: 903/465-2705.
CONTACT: John R. Davis, Pres.
Refining cap. 400MT/day; storage cap. 20,000MT; edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck and rail. Soy oil products, cooking/salad oil; margarine; salad dressing; shortening. Soy oil (industrial grade); soy sterols & tocopherols; soybean fatty acids.
CONTACT: Andy Wilson.

Cricklewood Soyfoods ★ *SF*

RD #1, Box 161, Mertztown, PA, 19539 U.S.A.; PH: 215/682-4109.
CONTACT: Karl Krummenoehl, Pres.
Soyfoods, tempeh; other soy-based foods, BALANCE BURGER/CUTLET.

Patrick Cudahy Inc. ★ *R SF*

3500 E. Barnard Avenue, P.O. Box 9990, Cudahy, WI, 53110 U.S.A.; 414/744-2000; FAX: 414/744-4213; TLX: 269455.
CONTACT: Dean Jacobson, Edible Oil Mgr.
Edible soy oil products, hydrogenated soy oil, industrial oil products; served by rail & truck. Soy oil products, shortening.

Custom Food Products, Inc. *SF*

730 N. Albany Avenue, Chicago, IL, 60612 U.S.A.; PH: 708/722-7500.
CONTACT: James W. Jones, Pres.
Soyfoods, other soy-based foods, dry gravy bases; binders for meat products.

Dairyland Products, Inc. ★ *SF*

5345 W. 125th Street, Savage, MN, 55378 U.S.A.; PH: 612/890-5305; FAX: 612/890-0638.
CONTACT: Thomas C. Sando, Pres
Isolated soy proteins; soyfoods.

Eastman Chemical Company ★ *IP*

MAIN OFFICE: Eastman Road, P.O. Box 511, Kingsport, TN, 37662 U.S.A.; PH: 615/229-4322; FAX: 615/229-1127; TLX: 4995088 (TEC ECPI).
Other Offices: Rochester, NY (DPI)
CONTACT: Thomas Fields, Sr. Purch. Eng.
Soy sterols & tocopherols.

Eden Foods, Inc. *SF*

701 Tecumseh Road, Clinton, MI, 49236 U.S.A.; PH: 517/456-7424; FAX: 517/456-7025.
Other Offices: Saline, MI (American Soy Products)
CONTACT: Ron Roller, Pres.
Soyfoods, EDENSOY soymilk, drinks or beverages.

Ener-G Foods, Inc. ★ *SF IP*

5960 1st Avenue So., P.O. Box 84487, Seattle, WA, 98124 U.S.A.; PH: 206/767-6660 or 800/331-5222; FAX: 206/767-4088.
CONTACT: Sam M. Wylde, Chman.
PLANT SUPERINTENDENT: Roger Traynor
Soy fiber; full fat soy flour; textured soy flour; soy grits; soy oil products, cooking/salad oil; shortening; soyfoods, SOYQUIK soymilk, drinks or beverages. Soy flour/soy protein (industrial grade), full fat; soy oil (industrial grade).

Energy Sprouts & Texas Tofu *SF*

3602 High Point, San Antonio, TX, 78217 U.S.A.; PH: 512/654-3963; FAX: 512/654-3989.
CONTACT: Bob Phipps, Pres.
Soyfoods, tofu & tofu products; other soy-based foods, soy sprouts.

Fantastic Foods, Inc. *SF*

106 Galli Drive, Novato, CA, 94949 U.S.A.; PH: 415/883-7718; FAX: 415/883-5129; TLX: 705077 (FANTASTIC UD).
CONTACT: Gail Hartman, R & D Mgr.
Soyfoods, other soy-based foods, TOFU SCRAMBLER, TOFU BURGER, TOFU CLASSICS (3 flavors), tofu helpers; FANTASTIC NOODLES (miso flavor).

Fearn Natural Foods *SF*

Affiliate of Modern Products, Inc. 3015 W. Vera Avenue, P.O. Box 09398, Milwaukee, WI, 53209 U.S.A.; PH: 414/352-3333; FAX: 414/352-4478.
CONTACT: Anthony Palermo, C.E.O.
FEARN isolated soy proteins; FEARN lecithin (edible grade), liquid & granular; simulated meat products (analogs); full fat soy flour; textured soy flour; soy grits.

Food Ingredients, Inc. ★ *SF*

535 Tollgate Road, Suites A & B, Elgin, IL, 60009-1557 U.S.A.; PH: 708/695-7717; FAX: 708/695-7986.
CONTACT: Robert A. Leonard, Exec. Vice Pres.
HI PRO full fat soy flour.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

The Food Plant *SF*
2889 Tradeswest, Santa Fe, NM, 87501 U.S.A.; PH: 505/471-8979.
CONTACT: Richard Jennings, Dir.
Soyfoods, SOY LECHE soymilk, drinks or beverages; SOUTHWEST SOY, SANTA FE HARVEST tofu & tofu products; other soy-based foods, secondary soy products (tofu meat analogs).

Fresh Tofu Inc. *SF*
900 Line Street, P.O. Box 1125, Easton, PA, 18042 U.S.A.; PH: 215/258-0883.
CONTACT: Richard Jennings, Dir.
Soyfoods, tofu & tofu products.

Galaxy Cheese, Soyco Foods Div. ★ *SF*
R.D.#3, North Gate Industrial Park, P.O. Box 5181, New Castle, PA, 16105-5181 U.S.A.; PH: 412/656-1102 or 800/441-9419; FAX: 412/656-9270.
CONTACT: Christopher Morini, Sr., Vice Pres., Sales
Soyfoods, other soy-based foods, FORMAGG cheese substitute.

Gateway Food Products Company ★ *SF*
1728 N. Main Street, P.O. Box 278, Dupo, IL, 62239 U.S.A.; PH: 314/231-9932.
CONTACT: Carroll Crosley, Pres.
Soy oil products, cooking/salad oil; shortening.

General Spice, Inc. ★ *SF*
238 St. Nicholas Avenue, P.O. Box 394, South Plainfield, NJ, 07080 U.S.A.; PH: 201/753-9100; FAX: 201/753-9635.
Other Offices: Malden, MA; Detroit, MI
CONTACT: Werner F. Hiller, Pres.
BAKOTEX and SOTEX simulated meat products (analogs), colored, uncolored, flavored & fortified items available; textured soy flour, colored, uncolored, flavored & fortified items available; soy grits, formulated into various other products; soy protein concentrates, texturized; soyfoods, other soy-based foods, PATTY BINDERS, seasoned & unseasoned, colored & uncolored, & fortified if necessary.

Goods Inc./Mainland Oriental Express *SF*
4264 Shoreline Drive, P.O. Box 405, Spring Park, MN, 55384 U.S.A.; PH: 612/471-8034; FAX: 612/471-8037.
CONTACT: Robert Housman, C.E.O.
Soy oil products, KENNEDY salad dressing; soyfoods, frozen desserts; MAINLAND EXPRESS soymilk, drinks or beverages; MAINLAND EXPRESS tofu & tofu products.

Grain States Soya, Inc. ★ *C R IP*
P.O. Box 157, West Point, NE, 68788 U.S.A.; PH: 402/372-2429.
CONTACT: Mark R. Knobbe, Gen. Mgr.
Continuous screw press; crush cap. 85MT/day; storage cap. 205MT; crude degummed soybean oil, crude soybean oil, meal (pellets & cubes), soybean cake; served by truck. Refining cap. 20 MT/day; storage cap. 250MT; crude degummed soybean oil, industrial oil products; served by truck. Full fat soy flour/soy protein (industrial grade).
CONTACT: Mark R. Knobbe, Gen. Mgr.

Howard Hall International ★ *SF*
223 E. Putnam Avenue, P.O. Box 199, Cos Cob, CT, 06807 U.S.A.; PH: 203/869-4504; FAX: 203/869-1439; TLX: 6819012 (HALL UW).
CONTACT: Howard E. Hall, Pres.
HIGH FIBER MICROSOY soy fiber.

Hawaiian Miso & Soy Company, Ltd. ★ *SF*
1714 Mary Street, Honolulu, HI, 96819 U.S.A.; PH: 808/841-7354.
CONTACT: William T. Higa, Pres.
Soyfoods, SHIRO KOJI miso.

Henkel Corporation, Emery Group ★ *R IP*
11501 Northlake Drive, Cincinnati, OH, 45249 U.S.A.; PH: 513/530-7321; TWX: 810-461-2412 (EMERY SD CIN); FAX: 513/530-7729.
CONTACT: Morris Fogel, Dir., Comm.
Industrial oil products. EMERY soybean fatty acids.

HiPro Food Products, Inc. ★ *SF*
775 Colorado Avenue So., Minneapolis, MN, 55416 U.S.A.; PH: 612/545-0151; FAX: 612/545-1638.
Other Offices: New Germany, MN (mfg.)
CONTACT: Robert F. Cross, Pres.
Full fat soy flour; full fat soy grits; both available as enzyme active or stabilized (trypsin inhibitor inactivated).

Homestyle Foods ★ *SF*
2317 Bluebell Drive, Santa Rosa, CA, 95403-2552 U.S.A.; PH: 707/525-8822; FAX: 707/579-3972.
CONTACT: David Burns, Vice Pres./ Gen. Mgr.
Soyfoods, frozen desserts; tempeh; tofu & tofu products; other soy-based foods, tofu & tempeh salads and entrees; tofu desserts; dips & dressings.

Honeymead Products Company ★ *C R SF IP*
Affiliate of Harvest States Cooperatives
2020 S. Riverfront Drive, P.O. Box 3247, Mankato, MN, 56002 U.S.A.; PH: 507/345-2251; FAX: 507/345-2254; TLX: 290867 (HONEYMEAD MAKO).
CONTACT: Dave Schostag, Vice Pres., Oil
Solvent extraction; crush cap. 2,400MT/ day; storage cap. 3,000,000MT; animal/ livestock feed, hulls, meal, white flakes for edible purposes; served by rail and truck. CONTACT: Gaylen Ferley.
Refining cap. 680MT/day; storage cap. 8,000 MT; edible soy oil products, hydrogenated soy oil, industrial oil products, refined soybean oil; served by truck and rail. Lecithin (edible grade); soy flour; soy oil products, cooking/salad oil, margarine, salad dressing; shortening (all sold in bulk); soyfoods, soy flakes. Lecithin (industrial grade); soy flour/soy protein (industrial grade); soy oil (industrial grade). CONTACT: Ed Senska (for flour).

House Foods & Yamauchi, Inc. *SF*
526 Stanford Avenue, Los Angeles, CA, 90013 U.S.A.; PH: 213/624-3615; FAX: 213/612-0281.
CONTACT: Harry Tanikawa, Sales Mgr.
Soyfoods, HINOICHI soymilk, drinks or beverages; tofu.

House of Tsang ★★ *SF*
185 Berry Street, Suite 5405, San Francisco, CA, 94107 U.S.A.; PH: 415/243-9760; FAX: 415/243-0157.
CONTACT: William Sher, Dir. of Ops.
Soyfoods, specialty flavored soy sauces.

Houston Calco Inc. *C SF*
2400 Dallas Street, Houston, TX, 77003 U.S.A.; PH: 713/236-8668; FAX: 713/236-1920.
Continuous screw press; storage cap. 25 MT; meal; served by truck.
CONTACT: Amy Huang. **Soyfoods, tofu & tofu products.**

HYBCO, U.S.A. ★ *SF*
333 S. Mission Road, Los Angeles, CA, 90033 U.S.A.; PH: 213/269-3111; FAX: 213/269-3130; TLX: (RCA) 215485 (HYBC).
CONTACT: David Kashani, Man. Dir.
Soy oil products, cooking/salad oil; margarine; salad dressing; shortening.

INARI, Ltd. (International Nutrition & Resources, Inc.) *SF*
200 State Street, Mason, MI, 48854 U.S.A.; PH: 517/676-3836; FAX: 517/676-6721.
CONTACT: Charles Follett, Pres.
Soyfoods, NUTTY NUGGETS soynuts (whole soybean snacks), flavored and confection coated; other soy-based foods, soynut butter, paste made from ground soynuts.

Island Spring, Inc. ★ *SF*
18846 103rd Street, S.W., P.O. Box 747, Vashon, WA, 98070 U.S.A.; PH: 206/463-9848; FAX: 206/622-6449.
CONTACT: W.M. Luke Lukoskie, CEO
Soyfoods, ISLAND SPRING soymilk (plain); tofu, 5 types; other soy-based foods, ISLAND SPRING tofu burgers, ISLAND SPRING tofu pasta, ISLAND SPRING RollUMS.

JFC International Inc. *SF*
Affiliate of Kikkoman Corporation, Japan
540 Forbes Blvd., P.O. Box 7251, San Francisco, CA, 94120 U.S.A.; PH: 415/871-1660; FAX: 415/952-3272.
Other Offices: Los Angeles, CA; Chicago, IL; New York, NY (Tokyo Foods, mfg.)
CONTACT: Thomas Sugihara, Vice Pres.,

Mktng. Mgr.
Soyfoods, tofu & tofu products.

Kapaa Poi Factory *SF*
RR 1 Box 366, Kapaa/Kauai, HI, 96746 U.S.A.; PH: 808/822-5426.
Soyfoods, tofu & tofu products.

Karlshamns USA Inc. ★ *SF IP*
Subsidiary of Karlshamns A.B., Sweden
525 W. 1st Avenue, P.O. Box 569, Columbus, OH, 43216-0569 U.S.A.; PH: 614/299-3131; FAX: 614/299-2584; TLX: 25494 (CAPCTY PRD COL).
CONTACT: John B. LaFontaine, Pres.
PLANT SUPERINTENDENT: James E. Willits, Vice Pres., Operations
Soy oil products, cooking/salad oil; margarine, shortening. CONTACT: J. G. Strathern. **Industrial soy oil for paints; soybean fatty acids for paints and lecithin thinner. CONTACT:** R. T. Edwards.

Kikkoman Foods, Inc. ★ *SF*
Hwy. 14 & Six Corners Road, P.O. Box 69, Walworth, WI, 53184 U.S.A.; 414/275-6181; FAX: 414/275-9452.
CONTACT: William Nelson, Vice Pres.
Soyfoods, KIKKOMAN soy sauce; other soy-based foods, KIKKOMAN teriyaki sauce.

Kraft Food Ingredients Corp. *R SF*
Affiliate of Kraft General Foods
1161 Oak River Road, Memphis, TN, 38120 U.S.A.; PH: 901/682-8085; FAX: 901/766-2120.
Other Offices: Memphis, TN; Sherman, TX; Jacksonville, IL; Champaign, IL
CONTACT: W. D. Cox, Vice Pres.
Oil Procurement
Hydrogenated soy oil, refined soybean oil; served by truck and rail. Soy oil products, cooking/salad oil; margarine; salad dressing; shortening.

Lauhoff Grain Company *C R SF*
Affiliate of Bunge Corporation
321 E. North Street, P.O. Box 571, Danville, IL, 61834 U.S.A.; PH: 217/442-1800.
CONTACT: Richard T. Pittelkow, Pres.
Solvent extraction; crush cap. 3000MT/day; storage cap. 12,000,000BU; crude soybean oil, hulls, meal; served by rail and truck. Refining cap. 550MT/day; storage cap. 6800MT; crude nondegummed soybean oil; served by rail and truck. CONTACT: Robert. L. Linn. **Soy fiber; soy flour; soy grits. CONTACT:** Doug Marlatt.

Lecanto Tofu Shop ★★ *SF*
Affiliate of Day, Inc.
Rt. 2, Box 763-Z, Lake Butler, FL, 32054 U.S.A.; PH: 904/496-3714.
CONTACT: Donald Young, Pres.
PLANT SUPERINTENDENT: Donald Young
Soyfoods, tofu & tofu products, water- & vacuum-packed (soft & firm), baked & yeast baked tofu. CONTACT: Greg Young.

Lee Seed Company, Inc. ★ *SF*
RR1, P.O. Box 14, Inwood, IA, 51240 U.S.A.; PH: 712/753-4403.
CONTACT: Joyce Lee, Pres.
Soyfoods, SUPER SOYNUTS soynuts (whole soybean snacks), 10 flavors, available packaged or bulk.

Legume, Inc. ★ *SF*
112 Main Road, Montville, NJ, 07045-9777 U.S.A.; PH: 201/263-1013.
CONTACT: Gary Barat
Soyfoods, other soy-based foods, LEGUME frozen entrees; BARAT tofu chocolate.

Lever Brothers Company *SF*
Affiliate of Unilever, London & Rotterdam
390 Park Avenue, 4th Floor, New York, NY, 10022 U.S.A.; PH: 212/906-4743; FAX: 212/644-4980; TLX: (MCI/RCA) 666113 (LBCOM).
CONTACT: David Italiaander, Mgr., Fats & Oil Trading
Soy oil products, IMPERIAL, PROMISE, SHEDD'S SPREAD, MRS. FILBERTS, I CAN'T BELIEVE IT'S NOT BUTTER margarine.

Light Foods, Inc. *SF*
4589 Clearbrook Drive, St. Charles, MO, 63303 U.S.A.; PH: 314/447-5433.
Other Offices: Clinton, WA
CONTACT: Donna Davis Secy./Treas.
Soyfoods, LIGHT LINKS, NEW LIGHT LINKS, LINK SPECIALS, LIGHT LONEY, TOFU BROWNERS simulated meat products (analogs).

Lightlife Foods, Inc. *SF*
74 Fairview Street, P.O. Box 870, Greenfield, MA, 01302 U.S.A.; PH: 413/774-6001.
CONTACT: Michael Cohen, Pres.
TOFU PUPS® (meatless frankfurters), FAKIN BACON®, AMERICAN GRILL™ (vegetarian burger) simulated meat products (analogs); soyfoods, TEMPEHWORKS™ tempeh, 5 varieties.

Litetrends ★★ *SF*
335 Paint Branch Drive, College Park, MD, 20742 U.S.A.; PH: 301/314-7778; FAX: 301/314-9592.
CONTACT: Ed Walker, Vice Pres.
PLANT SUPERINTENDENT: Andy Wilks
Soyfoods, tofu & tofu products, second generation tofu products. CONTACT: Andy Wilks, Vice Pres.

Lou Ana Foods, Inc. *R SF IP*
Affiliate of Schad Industries, Inc.
731 N. Railroad Avenue, P.O. Box 591, Opelousas, LA, 70570 U.S.A.; PH: 318/948-6561; FAX: 318/942-6239; TLX: 58-6645 (LAF/OPLS).
Other Offices: Kingwood, TX
CONTACT: James Boswell, Vice Pres., Ind. Sales
Edible soy oil products, hydrogenated soy oil, industrial oil products; refined soybean oil; served by truck, ship and rail. Soy oil products, LOU ANA cooking/salad oil (bulk, institutional & retail). Soy oil (industrial grade).

Loveland Industries, Inc. *IP*
14520 Weld Co Road #64, P.O. Box 1289, Greeley, CO, 80632 U.S.A.; PH: 303/356-8920; FAX: 303/356-8926.
CONTACT: Larry Jenkins
Lecithin (industrial grade); soy oil (industrial grade).

Lucas Meyer, Inc. ★ *SF IP*
Affiliate of Lucas Meyer GmbH & Company
765 E. Pythian Avenue, P.O. Box 3218, Decatur, IL, 62524 U.S.A.; PH: 217/875-3660; FAX: 217/877-5046.
CONTACT: Raymond Reschetz, Dir. Sales & Mktng.
PLANT SUPERINTENDENT: Richard Marshall
M-C-THIN, EPIKURON, METARIN lecithin (edible grade); soy fiber; NURUPAN soy flour; full fat soy flour; NURUPAN soy grits; soyfoods, NURULAT soymilk, drinks or beverages. LECIWET, EMULMETIK, COLOROL, FORBEST, M-C-THIN lecithin (industrial grade).

Lumen Food Corporation *SF*
409 Scott Street, P. O. Box 350, Lake Charles, LA, 70601 U.S.A.; PH: 318/436-6748; FAX: 318/436-1769.
CONTACT: Greg Caton, Pres.
HEARTLINE MEATLESS MEATS, CAJUN JERKY simulated meat products (analogs).

Mallet & Company, Inc. *SF*
Bell Avenue & Roslyn Road, P.O. Box 474, Carnegie, PA, 15106 U.S.A.; PH: 412/276-9000; FAX: 412/276-9002.
CONTACT: Aaron E. Margolis, Exec. Vice Pres.
Soy oil products, MELLO GOLD, MELLOW SUPREME cooking/salad oil; SATIN GLO, PRIME FRY, FRY WELL shortening; soyfoods, other soy-based foods, PAN & GRIDDLE GOLD, GOURMET, SUNSHINE, POPNGOLD & SPARKLE popcorn oils; VEGALUBES bread pan oils; THRIFTEE cake depanning compounds; bread divider oils; trough greasers. CONTACT: F. Sichok or G. Bast.

Mandarin Soy Sauce, Inc. ★ *SF*
419 North Street, Middletown, NY, 10940 U.S.A.; PH: 914/343-1505; FAX: 914/343-0731.
CONTACT: Michael Wu, Vice Pres.
Soyfoods, WANJASHAN soy sauce; other soy-based foods, hoisin sauce, bean sauce.

Miami Margarine Company *SF*
5226 Vine Street, Cincinnati, OH, 45217 U.S.A.; PH: 513/242-2310; FAX: 513/242-2310.
CONTACT: Jim Heidrich, CEO
Soy oil products, cooking/salad oil, various sizes; margarine, various sizes; salad dressing, various sizes. CONTACT: Bob Clark, Pres.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

Mighty Soy, Inc. *SF*
1227 S. Eastern Avenue, Los Angeles, CA, 90022 U.S.A.; PH: 213/266-6969.
CONTACT: Maung Myint, Pres.
Soyfoods, soymilk, drinks or beverages; tofu & tofu products.

Miller Farms Food Company, Inc. ★ *SF*
314 Main Street, Cedar Falls, IA, 50613 U.S.A.; PH: 319/277-8600 or 800/747-8605 (to order); FAX: 319/266-8544.
Other Offices: Manning, IA (mfg.)
CONTACT: Robbins W. Fischer, Pres.
Soyfoods, SOLAIT powdered soymilk beverage (24 oz. jars or 60 lb. bulk paks); other soy-based foods, CREME D'SOY powdered soy-based creamer (24 oz. jars or 60 lb. bulk paks).

Minnesota Waxy ★★ *SF*
Affiliate of M.W.C.G. Export Company Elevator Avenue, P.O. Box 128, Hpe, MN, 56046 U.S.A.; PH: 507/451-3316; FAX: 507/451-2910.
CONTACT: Rick Johnson, Mgr.
Soyfoods, SOY-SUPREME soymilk, drinks or beverages; SOY-SUPREME spray-dried soymilk; SOY-SUPREME spray-dried tofu; tofu & tofu products.
CONTACT: Allan G. Routh.

See Our Advertisement P. 55

Miyako Oriental Foods, Inc. ★ *SF*
Affiliate of Yamajirushi-Jyoza K.K., Japan
4287 Puente Avenue, Baldwin Park, CA, 91706 U.S.A.; PH: 818/962-9633; FAX: 818/814-4569.
CONTACT: Teruo Shimizu, Vice Pres.
Soyfoods, COLD MOUNTAIN miso, YAMAJIRUSHI miso.

Morinaga Nutritional Foods, Inc. ★ *SF*
5800 South Eastern Ave., #270, Los Angeles, CA, 90040 U.S.A.; PH: 213/728-4325; FAX: 213/726-3035.
CONTACT: Manny Duran, Nat'l Sales Mgr.
Soyfoods, MORI-NU aseptically packaged tofu.

Mycal Group, Nichii Company of America ★ *SF*
Affiliate of Nichii Company, Ltd., Japan
MAINOFFICE: 23440 Hawthorne Blvd., Skypark 2, Suite 140, Torrance, CA, 90505 U.S.A.; PH: 213/791-0010; FAX: 213/791-0018.
Other Offices: Jefferson, IA (mfg.)
CONTACT: Al Richardson, Dir., Mkting. & Sales, Soy Prods.
Soyfoods, MICROSOY™ FLAKES soy flakes (full fat) for use as a substitute for whole soybeans in soymilk and tofu.

See Our Advertisement P. 35, 56 & 149

Mycal Group, Nichii Company of America ★★ *SF*
Affiliate of Nichii Company, Ltd., Japan
Mycal Drive, Jefferson, IA, 50129 U.S.A.; PH: 515/386-2100; FAX: 515/386-3287.
Other Offices: Torrance, CA
CONTACT: John Bananowski, Operations, Plant Supt.
PLANT SUPERINTENDENT: John Baranowski
Soyfoods, MICROSOY™ FLAKES soy flakes (full fat) for use as a substitute for whole soybeans in soymilk and tofu.

Nasoya Foods *SF*
23 Jytek Pk., P.O. Box 841, Leominster, MA, 01453 U.S.A.; PH: 508/537-0713; FAX: 508/537-9790.
CONTACT: John Paino, Pres.
Soyfoods, soymilk, drinks or beverages; tofu; other soy-based foods, vegi dressings; vegi-dips; NAYONAISE.

National Sun Industries, Inc. ★ *C*
7760 France Avenue, So., Suite 850, Minneapolis, MN, 55435 U.S.A.; PH: 612/831-6855; FAX: 612/831-6443; TLX: 6879112 (CMSHP).
Other Offices: Enderlin, ND (National Sun Industries, Inc.) (mfg.)
CONTACT: John Burritt, Exec. Vice Pres.
Continuous screw press; crush cap. 820MT/day; storage cap. 600,000BU; crude degummed soybean oil; served by rail and truck. CONTACT: Don Lemm.

Natural Health & Nutrition Center ★★ *SF*
P.O. Box 170558, Brooklyn, NY, 11217 U.S.A.; PH: 718/237-9500; FAX: 718/643-0366.
CONTACT: Maxine Reid, Pres.
Soyfoods, spray-dried soymilk; other soy-based foods, custom made soymilk powder (to client specifications).

Natural, Inc. ★★ *SF*
6650 Santa Barbara Road, Elkridge, MD, 21227 U.S.A.; PH: 301/796-3211 or 621-1288; FAX: 301/796-3977.
CONTACT: William Tsai, Gen. Mgr.
Soyfoods, tofu & tofu products, vacuum and water pack (bk) tofu; other soy-based foods, NECTA soy; tofu burger; vegi burger.

Natural Pacific Tofu ★ *C SF*
153 Makaala Street, P.O. Box 11001, Hilo, HI, 96721 U.S.A.; PH: 808/935-3220.
CONTACT: Tyler Katibah, Owner
Hydraulic press, storage cap. 700BU. Soy oil products, salad dressing; soyfoods, miso; tempeh; tofu & tofu products, other soy-based foods, tofu snacks, tofu dip.

Ne-Tex Cooperative Oil Mill *C*
305 N. Santa Fe, P.O. Box 139, Wolfe City, TX, 75496 U.S.A.; PH: 214/496-2281; FAX: 214/496-7212.
CONTACT: Robert Williams, Mgr.
Solvent extraction, crush cap. 200MT/day; storage cap. 500,000BU; crude soybean oil, meal; served by rail and truck.

Northern Soy ★ *SF*
545 West Avenue, Rochester, NY, 14611 U.S.A.; PH: 716/235-8970; FAX: 716/235-3753.
CONTACT: Norman Holland, Pres.
Soyfoods, SOYBOY tempeh; SOYBOY tofu & tofu products.

Nutricia - Loma Linda ★★ *SF*
11503 Pierce Street, Riverside, CA, 92505 U.S.A.; PH: 714/687-7800; FAX: 714/689-5124.
Other Offices: Mt. Vernon, OH
CONTACT: Steven de Clercq, Pres.
Soyfoods, other soy-based foods, SOYALAC, I-SOYALAC infant formula.

Ota Tofu Company ★ *SF*
812 S.E. Stark Street, Portland, OR, 97214 U.S.A.; PH: 503/232-8947.
CONTACT: Eileen Ota, Owner
Soyfoods, tofu; other soy-based foods, age.

Pacific Foods ★★ *SF*
19480 S.W. 97th Avenue, Tualatin, OR, 97062 U.S.A.; PH: 503/692-9666; FAX: 503/692-9610.
CONTACT: Patrick Carey, Vice Pres., Sales & Mkting.
PLANT SUPERINTENDENT: Chuck Gray
PACIFIC soy protein concentrates; soyfoods, soymilk, drinks or beverages; PACIFIC spray-dried tofu; other soy-based foods, various.

Panda Food Products, Inc. ★★ *SF*
R.D. #2, Box 168, Goshen, NY, 10924 U.S.A.; PH: 914/651-4490; FAX: 914/651-4480.
CONTACT: Henri Creces, Gen. Mgr.
PLANT SUPERINTENDENT: Henri Creces
Soyfoods, tofu & tofu products, firm, soft, spicy and herb (all vacuum packed); other soy-based foods, tofu for cheese and ice cream processing.

Pendleton Oil Mill, Inc. *C*
349 E. Main Street, P.O. Box 38, Pendleton, SC, 29670-0038 U.S.A.; PH: 803/646-3294.
CONTACT: John Sitton, Exec. Vice Pres.
Hydraulic press; storage cap. 75,000BU; mealcake for fish bait; served by rail and truck.

Penta Manufacturing Company, Inc. *R SF IP*
Affiliate of Penta International Corp.
271 U.S. Highway 46, P.O. Box 1448, Fairfield, NJ, 07006 U.S.A.; PH: 201/575-7475; FAX: 201/575-8907; TLX: (RCA) 219472 (PENT UR).
CONTACT: George M. Volpe, Sr. Vice Pres.
Refining cap. 5,000MT/day; storage cap. 20,000/GAL; edible soy oil products, fractionated soy oil, hydrogenated soy oil, refined soybean oil;

served by ship and truck. Lecithin (edible grade), liquid and powder; soy oil products, cooking/salad oil; salad dressing. Lecithin (industrial grade); soy oil (industrial grade) for lubricants.

Perdue Farms, Inc. ★ *C R*

MAIN OFFICE: P.O. Box 1537, Salisbury, MD, 21801 U.S.A.; PH: 301/543-3451; FAX: 301/543-3902.
Other Offices: CoField, NC (C)
CONTACT: Sewell Spedden, Pres. Grain/Oilseed Div.
Solvent extraction; crush cap. 1000MT/day; storage cap. 5 millionBU; animal/livestock feed, crude soybean oil, hulls, meal; served by barge, rail and truck.
CONTACT: Richard Willey. **Refining cap. 380MT/day; hydrogenated soy oil, refined soybean oil; served by rail and truck. CONTACT:** Keith Darby.

Perdue, Inc. ★ *C*

Affiliate of Perdue Farms, Inc.
Route 1, Box 119H, Cofield, NC, 27922 U.S.A.; PH: 919/358-0311.
CONTACT: Billy Mizelle
Solvent extraction; crush cap. 700MT/day; storage cap. 2 Million BU; animal/livestock feed, crude soybean oil, hulls, meal; served by barge, rail and truck.
CONTACT: Richard Willey.

PMS Foods, Inc. ★ *SF*

2701 E. 11th, P.O. Box 1099, Hutchinson, KS, 67504-1099 U.S.A.; PH: 316/663-5711; TWX: 910-380-6461; FAX: 316/663-7195.
CONTACT: Derek Park, Pres.
ULTRA SOY textured soy flour.

Premier Products/American Soy Dairy *SF*

P.O. Box 59587, Chicago, IL, 60659-0587 U.S.A.; PH: 708/674-2642.
CONTACT: Maurice Dayan, Pres.
Soyfoods, other soy-based foods, imitation cheeses using soymilk powder and soybean oil.

Producers Cooperative Association *C*

Foot of Buffalo Street, P.O. Box 323, Girard, KS, 66743 U.S.A.; PH: 316/724-8241.
CONTACT: William R. Huston, Gen. Mgr.
Continuous screw press; storage cap. 650,000BU; crude soybean oil, meal; served by rail and truck.

Protein Research Associates ★ *SF*

901 Grayson Street, Berkeley, CA, 94710 U.S.A.; PH: 415/845-7614.
CONTACT: Theodore Aarons, Dir.
Soyfoods, soymilk, drinks or beverages; other soy-based foods, nutritional supplements containing soy bran, soy flour and soy protein concentrates.

Protein Technologies International, Inc. ★ *SF IP*

Subsidiary of Ralston Purina Company
Checkerboard Square-13T, St. Louis, MO, 63164 U.S.A.; PH: 314/982-1395 or 800/344-6937; FAX: 314/982-1121.
Other Offices: South Melbourne, AUSTRALIA; Ieper (mfg.), Zaventem, BELGIUM; Mississauga, CANADA; Montigny-le-Bretonneux, FRANCE; Dietzenbach, GERMANY; Hong Kong, HONG KONG; Milan, ITALY; Hannan (mfg.), Tokyo, JAPAN; Seoul, KOREA; Mexico City, MEXICO; Karlshamn, SWEDEN; Geneva, SWITZERLAND; Taipei, TAIWAN; Bangkok, THAILAND; Barcelona, SPAIN; Corby, Northants, UK; Caracas, VENEZUELA; Louisville, KY (mfg.); Pryor, OK (mfg.); Memphis, TN (mfg.); Hager City, WI (mfg.)
CONTACT: David Lewis, Mkting. Mgr.
SUPRO, PROPLUS isolated soy proteins; FIBRIM soy fiber. NURISH isolated soy proteins for high-performance weaning rations; PRO-COTE soy polymer for paper coating additive, adhesive.

Quality Food Oils, Inc. ★★ *SF*

87 Pickett District Road, New Milford, CT, 06776 U.S.A.; PH: 203/355-9421; FAX: 203/354-9672.
CONTACT: Anthony Capizzi, Pres.
PLANT SUPERINTENDENT: Frank Capizzi
Soy oil products, cooking/salad oil, shortening.

Quincy Soybean Company ★ *C SF*

Affiliate of Moorman Manufacturing Co.
MAIN OFFICE: 1900 Gardner Expressway, P.O. Box 329, Quincy, IL, 62306-0329 U.S.A.; PH: 217/224-1800; FAX: 217/224-2036; TLX: 40-4421 (QCYSOYBEAN).
Other Offices: Helena, AR (Quincy Soybean Co. of Arkansas)
CONTACT: Rick Schuering, Mkting.
Solvent extraction; crude degummed soybean oil, crude soybean oil, meal; served by barge, rail and truck. Soy fiber.

Quincy Soybean Company of Arkansas ★ *C R SF IP*

Highway 20 South, P.O. Box 70, Helena, AR, 72342 U.S.A.; PH: 501/338-6481; FAX: 501/338-8206.
Other Offices: Elaine, Marvell, Mellwood, AR
CONTACT: Banks Conditt, Mkting. Dir.
Solvent extraction; animal/livestock feed, crude degummed oil, crude soybean oil, hulls, meal; served by barge, rail and truck. CONTACT: Richard Galloway. **Crude degummed soybean oil, edible soy oil products, industrial oil products, refined soybean oil; served by barge, rail and truck. Lecithin (edible grade); soy oil products, cooking/salad oil. Lecithin (industrial grade); soy oil (industrial grade); soy sterols & tocopherols; soybean fatty acids.**
CONTACT: Rick Schuering.

Quong Hop & Company ★ *SF*

161 Beacon Street, San Francisco, CA, 94080 U.S.A.; PH: 415/761-2022; FAX: 415/952-3329.
CONTACT: Ben Lee, Vice Pres. Mkting.
Simulated meat products (analogs), soy oil products, salad dressing; soyfoods, soymilk, drinks or beverages; tempeh (fresh); tofu & tofu products (fresh), variety of SAVORY tofu; other soy-based foods, tempeh burgers; soybean products.

Riceland Foods, Inc. *C R SF IP*

2120 S. Park Avenue, P. O. Box 926, Stuttgart, AR, 72160 U.S.A.; PH: 501/673-5500; FAX: 501/673-5397; TLX: (RCA) 240064 (RLND UR); TWX: 910-720-6240 (Arkansas Grain Co.).
Other Offices: Little Rock, AR
CONTACT: James K. Smith, Vice Pres.
Solvent extraction; hulls, meal; served by barge, rail and truck. CONTACT: John B. Ruff. **Edible soy oil products, refined soybean oil; served by barge, rail and truck. CONTACT:** L. H. Dodson. **LECIPRIME liquid lecithin (edible grade); LECIGRAN powdered, granulated lecithin (edible grade); soy oil products, CHEFWAY and private labels cooking/salad oil; CHEFWAY and private labels shortening. LECIKOTE liquid lecithin (industrial grade); LECIGRAN MT granulated lecithin (industrial grade); FEED QUALITY powdered lecithin (industrial grade); for paint mixes, magnetic tape, animal feeds. CONTACT:** Marolyn Chambers, Mkting. Mgr., Lecithin.

Rich Products Corporation *SF*

1150 Niagara Street, P.O. Box 245, Buffalo, NY, 14240 U.S.A.; PH: 716/878-8000; FAX: 716/878-8238 or 716/878-8266; TLX: 710-522-1840 or 522-1841.
CONTACT: Robert E. Rich, Sr., Chman.
Soy protein concentrates, whipped toppings; isolated soy proteins, whipped toppings; soy oil products, cooking/salad oil; margarine (frozen foods); soyfoods, frozen desserts.
CONTACT: Dawn Wolfe.

— Please Check Your Listing For Accuracy —

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner

SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products

★ Updated Listing
★★ New Listing

Rickel, Inc. *C*
P.O. Box 255, Bonner Springs, KS. 66012-0255 U.S.A.; PH: 816/561-5912; FAX: 816/756-1369.
Other Offices: Wichita, KS; Ft. Smith, AR; Springfield, OH
CONTACT: Dick Bredesen, Mdse. Mgr, Roastad Prods.
Roasted full fat soybeans for animal/ livestock feed; served by rail and truck.

Rose International ★ *SF*
P.O. Box 5020, Santa Rosa, CA, 95402-5020 U.S.A.; PH: 707/576-7050; FAX: 707/545-7116.
CONTACT: Richard Rose, Pres.
Simulated meat products (analogs), patent-pending technology; soyfoods, frozen desserts, dry instant & concentrates; other soy-based foods, soy cheese, containing casein; soy cheese, not containing casein (patent pending); diet foods; dairy analogs, 100% dairy free.

Rosewood Products Inc. ★★ *SF*
738 Airport Blvd., Ann Arbor, MI, 48108 U.S.A.; PH: 313/665-2222.
CONTACT: Bruce Rose, Pres.
Soyfoods, tofu & tofu products.

Rustco Products Company ★ *SF*
Affiliate of Park Corporation
1485 E. 61st Avenue, Denver, CO, 80216 U.S.A.; PH: 303/287-3203; FAX: 303/287-2203.
CONTACT: Mark Hingiss, Vice Pres., Industrial Sales
PLANT SUPERINTENDENT: Bob Burgess
Soy oil products, RUSTCO and PRIVATE LABEL cooking/salad oil; margarine; shortening.

S. E. Rykoff & Company *SF*
Affiliate of Rykoff-Sexton
MAIN OFFICE: 737 Terminal Street, P.O. Box 21903, Los Angeles, CA, 90021 U.S.A.; PH: 213/486-9182; FAX: 213/689-9766.
Other Offices: Indianapolis, IN (John Sexton & Co.)
CONTACT: Terry Burgon, Mgr., Comm. Purch.
Soy oil products, cooking/salad oil, salad dressing; shortening.

SAFFOLA Quality Foods, Inc. ★ *SF*
633 S. Mission Road, Los Angeles, CA, 90023 U.S.A.; PH: 213/265-4300; FAX: 213/269-6330.
CONTACT: Greg MacIntosh, CEO
Soy oil products, GOLDENSWEET cooking/salad oil (all private label); GOLDENSWEET TABLEMAID margarine; shortening.

Sam Sung Foods Inc. *SF*
409 Morse Street, N.E., Washington, DC, 20002 U.S.A.; PH: 202/544-6690; FAX: 202/544-2477.
CONTACT: Kim Salazar
Soyfoods, soymilk, drinks or beverages; tofu & tofu products.

San-J International, Inc. ★ *SF*
Affiliate of San-Jirushi Corporation
2880 Sprouse Drive, Richmond, VA, 23231 U.S.A.; PH: 804/226-8333; FAX: 804/226-8383; TLX: 510-100-0513.
Other Offices: San Francisco, CA; Shibuya-ku, Tokyo; Kuwana, Mie, JAPAN (San-Jirushi Corp.)
CONTACT: Donald J. Iwinski, Dir., Industrial Sales
Soyfoods, miso, paste and dry; tamari, shoyu soy sauces, liquid and dry.

Santa Fe Tempeh ★★ *SF*
General Delivery, Cerrillos, NM, 87010 U.S.A.; PH: 505/471-7034.
CONTACT: Joy or Scott Hauenstein, Owner
Soyfoods, SANTA FE tempeh.

The C. F. Sauer Company ★ *SF*
2000 W. Broad Street, Richmond, VA, 23220 U.S.A.; PH: 804/359-5786; FAX: 304/359-5514; TLX: (Easylink) 752-903 (CT RICH).
Other Offices: Charlotte, NC
CONTACT: Robert E. Holden, Vice Pres.
Soy oil products, salad dressing.

Schnupp's Grain Roasting, Inc. ★ *C*
R.D. 6, Box 840, Lebanon, PA, 17042 U.S.A.; PH: 717/865-6611; FAX: 717/865-7334.
CONTACT: Dale L. Schnupp, Pres.
Crush cap. 100MT/day; animal livestock feed.

Seymour Organic Foods ★★ *C SF*
205 S. Main Street, P.O. Box 190, Seymour, IL, 61875 U.S.A.; PH: 217/687-4810; FAX: 312/687-4830; TLX: 754477 (BAR NA UD).
CONTACT: Julie Ohlsson, Admin. Asst.
Continuous screw press; crush cap. 10MT/day; storage cap. 40MT; crude soybean oil; served by truck. SOF soy flour, organic, low fat; SOF full fat soy flour, organic; soy oil products, ORG-SOY-O cooking/salad oil.

The Simple Soyman ★ *SF*
4877 N. Green Bay Avenue, P.O. Box 09771, Milwaukee, WI, 53209-0771 U.S.A.; PH: 414/264-4133.
CONTACT: R. Jay Gruenwald, Partner
Soyfoods, tofu & tofu products, TOFU TERKEY savory, baked, marinated tofu; other soy-based foods, SAUCY JO, SOMBRERO JO & ITALIAN JO tofu sloppy-joe; TOASTER BURGERS patties; CURRY DIP; DEVILED TOFU "eggless" egg salad; SAVORY HERB PATÉ; WHOLE GRAIN PIE CRUSTS (wheat & dairy free); TOFU PUMPKIN PIE.

Solnuts, Inc. *SF*
Affiliate of Solnuts, B.V.
711 7th Street, P.O. Box 450, Hudson, IA, 50643 U.S.A.; PH: 319/988-3221; FAX: 319/988-4647.
Other Offices: Tilburg, HOLLAND (Solnuts, B.V.)
CONTACT: Linda S. Weigel, Sales Mgr.
Soy fiber; SOLFLOUR F.F. full fat soy flour; soy grits; soyfoods, SOLNUTS soynuts (whole soybean snacks).

Sonne, Inc. ★ *SF*
896 22nd Ave. N., Wahpeton, ND, 58075 U.S.A.; PH: 701/642-3068; FAX: 701/642-9403; TLX: 910-561-3930 (RESHBRKR).
CONTACT: Neil Doty, Gen. Mgr.
Soyfoods, DAKOTA GOURMET soynuts (whole soybean snacks), many flavors.

South River Miso Company ★★ *SF*
South River Farm, Shelburne Falls Road, Conway, MA, 01341 U.S.A.; PH: 413/369-4057.
CONTACT: Christian Elwell, Pres.
Soyfoods, miso.

Sovex Natural Foods, Inc. ★ *SF*
Affiliate of McKee Baking Company
9104 Apison Pike, P.O. Box 2178, Collegedale, TN, 37315 U.S.A.; PH: 615/396-3145; FAX: 615/396-3402.
CONTACT: Glenn Fuller
PLANT SUPERINTENDENT: Dan Clark
Soyfoods, soymilk, drinks or beverages; tofu & tofu products; other soy-based foods, TVP-textured vegetable protein.

Soy Power Company, Inc. *SF*
1602 Stanford Street, Santa Monica, CA, 90404 U.S.A.; PH: 213/829-2331; FAX: 213/829-1266.
CONTACT: Kevin Cross, Pres.
Soyfoods, soymilk, drinks or beverages; tempeh; tofu & tofu products.

Soyco Foods *SF*
R.D. #3, Northgate Industrial Park, P.O. Box 5204, New Castle, PA, 16105 U.S.A.; PH: 412/656-1102 or 800/441-9419; FAX: 412/656-9270.
CONTACT: Albert Morini, Vice Pres., Sales
Soyfoods, other soy-based foods, soy cheese substitutes.

Soyeh Natural, Inc. ★ *SF*
3458 Depot Road, Hayward, CA, 94545 U.S.A.; PH: 415/670-8621; FAX: 415/670-8639.
CONTACT: Woody Yeh, Pres.
Soyfoods, other soy-based foods, soy yogurt.

Soyfoods of America ★ *SF*
1091 E. Hamilton Road, Duarte, CA, 91010 U.S.A.; PH: 213/681-5393.
CONTACT: Ken Lee, Owner/Pres.
PLANT SUPERINTENDENT: Tim Huang
Soyfoods, FURAMA™, NATURE'S SPRING™, tofu & tofu products, YUBA, DEEP-FRIED TOFU, TOGUN (baked, spiced tofu).

Soyworld, Inc. ★ *SF*
819 Cedar Street, Honolulu, HI, 96814 U.S.A.; PH: 808/523-8080.
CONTACT: Amy Higa, Vice Pres., Business
Soyfoods, SOYUMMY OF HAWAII frozen desserts.

Specialty Grain Company ★ *C R SF IP*
12202 Woodbine, Redford, MI, 48239 U.S.A.; PH: 313/535-9222; FAX: 313/535-9712.
CONTACT: David Singsank, Mkting. Dir.
Continuous screw press; crude degummed soybean oil (organic), crude soybean oil, meal (organic); served by rail, ship and truck. Crude degummed soybean oil, edible soy oil products; served by rail, ship & truck. Soy flour; soy grits; soyfoods, soy flakes; soynuts (whole soybean snacks). Soy flour/soy protein (industrial grade).

Spring Creek Natural Foods ★ *SF*
212-C E. Main Street, Spencer, WV, 25276 U.S.A.; PH: 304/927-1815.
CONTACT: Mark Bossert, Pres.
Soyfoods, fresh soymilk, drinks or beverages; tofu & tofu products, fresh, marinated-baked; other soy-based foods, soysage, okara based; tofu salads.

Springfield Creamery ★★ *SF*
29440 Airport Road, Eugene, OR, 97402-9524 U.S.A.; PH: 503/689-2911; FAX: 503/689-2915.
CONTACT: Susan Kesey, Plant Superintendent
PLANT SUPERINTENDENT: Susan Kesey
Soyfoods, other soy-based foods, soy yogurt.

A. E. Staley Manufacturing Company, Gunther Division ★ *SF*
2200 Eldorado Street, P.O. Box 151, Decatur, IL, 62525-1801 U.S.A.; PH: 217/421-2941; TLX: (Decatur) 6871552 or 25-0113 (STLW UW AE STALEY CO DTR); TWX: (Decatur) 910-243-0459.
Other Offices: Galesburg, IL (mfg.)
CONTACT: Steve Martin, Prod. Mgr.
PLANT SUPERINTENDENT: James Dechert
MIRA-FOAM, VERSA-WHIP modified soy proteins; other modified proteins (functional blends).

Jacob Stern & Sons, Inc. *IP*
1464 East Valley Road, P.O. Box 50740, Santa Barbara, CA, 93150 U.S.A.; PH: 805/565-1411; FAX: 805/565-1415; TLX: 658312 (J STERN SNC).
Other Offices: Houston, TX; Seattle, WA; Clovis, CA (Snow Commodities Co.)
CONTACT: Philip L. Bernstein, Pres.
Purchasers of soy oil (industrial grade) for soapstock, acidulated soy oil soapstock.

Summercorn Foods, Inc. ★ *SF*
1410 W. Cato Springs Road, Fayetteville, AR, 72701 U.S.A.; PH: 501/521-9338; FAX: 501/443-5771.
CONTACT: David Druding
SAVORY SOYSAGE simulated meat products (analogs); soyfoods, soymilk, drinks or beverages; okara tempeh; tofu & tofu products, baked, marinated; other soy-based foods, soy cereal.

Surata Soyfoods, Inc. ★ *C SF*
302 Blair Blvd., Eugene, OR, 97402 U.S.A.; PH: 503/485-6990.
CONTACT: Theresa Thornton, Mkting. Coordinator
Continuous rotor extraction; crush cap. .3MT/day; storage cap. 20MT. Soyfoods, soymilk, drinks or beverages; tempeh; tofu & tofu products.

Swan Gardens, Inc. ★ *SF*
6029 Lagrange Blvd., Atlanta, GA, 30336 U.S.A.; PH: 404/346-1712; FAX: 404/344-5170.
CONTACT: Richard McIntyre, Pres.
Soyfoods, frozen desserts (frozen soy yogurt); spray-dried soymilk; spray-dried tofu; other soy-based foods, cheese-like products; soy yogurt.

Timmins Group, Inc. ★ *SF*
105 Beacon Street, Greenfield, MA, 01301 U.S.A.; PH: 413/772-0035; FAX: 413/774-3056.
CONTACT: Thomas Timmins, Pres.
Simulated meat products (analogs); soyfoods, other soy-based foods, dairy analogs.

The Tofu Shop Specialty Foods Company ★ *SF*
768 18th Street, P.O. Box 4716, Arcata, CA, 95521 U.S.A.; PH: 707/822-7409.
CONTACT: Matthew Schmit, Owner/Mgr.
Soyfoods, JOY O' SOY soymilk, drinks or beverages (pt., qt., 1/2 gal. & gal. sizes); FIRM NIGARI tofu & tofu products (14 oz. & 20 lb. sizes); other soy-based foods, vegie-patties; cutlets; sausage patties; salads and desserts (regional only).

Tofutti Brands Inc. *SF*
50 Jackson Drive, P.O. Box 786, Cranford, NJ, 07016 U.S.A.; PH: 201/272-2400; FAX: 201/272-9492.
CONTACT: David Mintz, Pres. & CEO
Soyfoods, TOFUTTI nondairy frozen desserts; other soy-based foods, TOFUTTI EGG WATCHERS egg substitute; TOFUTTI BETTER THAN CREAM CHEESE imitation cream cheese.

Tomanetti Foods, Inc. ★ *SF*
201 Ann Street, Oakmont, PA, 15139 U.S.A.; PH: 412/828-3040; FAX: 412/828-2282.
CONTACT: Mary Bolgert, Supv.
Soyfoods, other soy-based foods, SOYDANCE soy cheeses, MAIN SQUEEZE squeezable soy cheese; SOYDANCE frozen pizza, ORIGINAL RICE CRUST PIZZA soycheese style frozen pizza.

Townsends, Inc. ★ *C R SF IP*
State Route 24, East, P.O. Box 468, Millsboro, DE, 19966 U.S.A.; PH: 302/934-3015; FAX: 302/934-3084.
CONTACT: Seth C. Taylor, Mdsing. Mgr.
Solvent extraction; crush cap. 1100MT/day; storage cap. 5,360,000BU; crude soybean oil, hulls, meal; served by rail and truck. CONTACT: Seth C. Taylor, Merchandising Mgr. **Refining cap. 325MT/day; storage cap. 2572MT; edible soy oil products, industrial oil products, refined soybean oil; served by truck and rail. Soy oil products, cooking/salad oil. Soy oil (industrial grade) refined and bleached for paint, varnish, chemicals and carrier.**
CONTACT: Matt Porter.

Tree of Life, Inc. *SF*
Affiliate of Wessanen, N.V.
1750 Tree Blvd., P.O. Box 410, St. Augustine, FL, 32085-0410 U.S.A.; PH: 904/825-2026; FAX: 904/825-2009; TLX: 910-997-8139.
Other Offices: St. Augustine, FL (Tree of Life, southeast); North Bergen, NJ (northeast); Bloomington, IN (midwest); Cleburne, TX (southwest); Kent, WA (northwest); Sun Valley, CA (west)
CONTACT: Greg Leonard, Vice Pres., Merch.
TREE OF LIFE soy grits (16 oz. pkg.); soy oil products, TREE OF LIFE cooking/salad oil (various flavors, 16 & 32 oz.); TREE OF LIFE margarine (Soya and Soya No Salt, 16 oz.); soyfoods, TREE OF LIFE miso (Kome-Rice 1 lb. & Mugi-Barley 1 lb.); TREE OF LIFE soy sauce (Tamari, Shoyu and Wheat Free Tamari); tofu & tofu products, Baked Tofu, Organic, Bulk & Savory Baked.

Tumaros, Inc. *SF*
5300 Santa Monica Blvd., Los Angeles, CA, 90029 U.S.A.; PH: 213/464-6317.
CONTACT: Kaye L. Dunham, Pres.
TUMARO'S RANCH BARBEQUE, TUMARO'S TEXAS TAMALE, TUMARO'S TEXAS BURRITO simulated meat products (analogs); soyfoods, TUMARO'S TOFU ENCHILADA VERDE tofu & tofu products.

Turtle Island Foods ★ *SF*
1 Main Street, P.O. Box 218, Husum, WA, 98623 U.S.A.; PH: 509/493-2004; FAX: 509/493-4656.
CONTACT: Seth Tibbott, Pres.
Soyfoods, tempeh.

C = Soybean Processor (Crusher)
R = Soybean Oil Refiner
SF = Edible Soy Products/Soyfoods
IP = Industrial Soy Products
★ Updated Listing
★★ New Listing

United Edible Oils, Inc. ★ *SF*
246 Walnut Street, P.O. Box 254, Newtonville, MA, 02160 U.S.A.; PH: 617/527-3413 or 800/866-8989; FAX: 617/964-9567.
CONTACT: Edward Berman, Pres.
Soy oil products, cooking/salad oil (bulk & packaged).

Van den Bergh Foods *R SF IP*
Affiliate of Unilever
MAIN OFFICE: 2200 Cabot Drive, Lisle, IL, 60532 U.S.A.; PH: 708/955-5156; FAX: 708/955-5540; TLX: 224069 (VDB FOODS).
Other Offices: New York, NY (sales office); Joliet, IL; Elgin, IL; Sunnyvale, CA; Vernon, CA; Carson, CA; Olathe, KS; Dallas, TX; Medalia, MN; Detroit, MI; Baltimore, MD; Rochester, NY; Dalton, GA; Atlanta, GA; Greenville, SC; Maplewood, NJ; Thorofare, NJ (mfg.)
CONTACT: Milton Neurenchon, Vice Pres., Commodities
Refining Cap. 500MT/day; storage cap. 15,000MT; crude degummed soybean oil, edible soy oil products, fractionated soy oil, hydrogenated soy oil, industrial oil products, refined soybean oil; served by barge, rail, ship and truck. Lecithin (edible grade); soy oil products, cooking/salad oil; margarine; salad dressing; shortening; soyfoods, frozen desserts; other soy-based foods, soy hard butters; shortenings; emulsifiers; stearines; lubricants; bakery products (doughs, specialties). CONTACT: T. Craig. **Soy oil (industrial grade) for lubricants; soybean fatty acids. CONTACT:** J. Kilgarion.

Virginia Soyworks ★ *SF*
Affiliate of Twin Oaks Community
Route 4, Box 169, Louisa, VA, 23093 U.S.A.; PH: 703/894-5126.
CONTACT: Twin Oaks Community
Soyfoods, soymilk, drinks or beverages; tofu & tofu products.

Vitasoy (USA) Inc. ★ *SF*
99 Park Lane, Brisbane, CA, 94005 U.S.A.; PH: 415/467-8888; FAX: 415/467-8910; TLX: 171784 (VICIX).
CONTACT: Yvonne Lo, Pres.
Soyfoods, soymilk, drinks or beverages. CONTACT: Yvonne Lo, Pres.

West Bend Elevator Company ★ *C*
P.O. Box 49, West Bend, IA, 50597 U.S.A.; PH: 515/887-7211; FAX: 515/887-7291.
CONTACT: Bill Hocrafer, Sales Mgr.
Continuous screw press; crush cap. 40MT/day; storage cap. 400,000BU; animal/livestock feed, crude soybean oil, meal; served by rail and truck.

West Central Cooperative *C*
P.O. Box 68, Ralston, IA, 51459 U.S.A.; PH: 712/667-3200; FAX: 712/667-3215.
CONTACT: Doug Stidham, Feed/Soy Div. Mgr.
Continuous screw press; crush cap. 150 MT/day; storage cap. 2 million BU; animal/livestock feed, crude soybean oil; served by rail and truck.

White Wave, Inc. *SF*
6123 East Arapahoe, Boulder, CO, 80303 U.S.A.; PH: 303/443-3470; FAX: 303/443-3952.
Other Offices: San Leandro, CA
CONTACT: Steven Demos, Pres.
Simulated meat products (analogs); soyfoods, frozen desserts; soymilk, drinks or beverages; tempeh; tofu & tofu products; other soy-based foods, cheese analogs.

Wilsey Foods, Inc. ★ *SF*
14840 E. Don Julian Road, P.O. Box 3636, City of Industry, CA, 91746 U.S.A.; PH: 818/336-4527; FAX: 818/336-3229; TLX: 670351 (WILSECORP).
Other Offices: Oakland, CA; Atlanta, GA; Salem, OR; Fort Worth, TX (mfg.)
CONTACT: Customer Service Dept.
Soy oil products, BAK-TEX, CAKE TONE, CHEF'S PRIDE, CHURN SPREAD, CREAM FLAKE, DO KING, EVERGOOD, FANCY FRY, FLAKO, FRY-IT, GOLD-N-EG, GOLD-N-OIL, GOLD-N-RICH, GOLD-N-SWEET, HALF-CAL, HANDI-POP, HI-LIFE, HY-TOP, MELLO MOIST, MOVIE-POP, ONE PLUS TWO, OUR BETR FRY, RICHENOL, ROLLITE, SAVORY, SUPER HY-CAKE, TRAILHAND, VOPCO, VO-POP, W.B., WHITE CAP, EXTEND cooking/salad oil, margarine, shortening (pan coating and chocolate coating). CONTACT: Customer Service.

Worthington Foods, Inc. ★ *SF*
900 Proprietors Road, Worthington, OH, 43085 U.S.A.; PH: 614/885-9511; FAX: 614/885-2594.
CONTACT: David Maxwell, Materials Mgr.
MORNINGSTAR FARMS, NATURAL TOUCH, WORTHINGTON simulated meat products (analogs); soyfoods, SOYCHAL soymilk, drinks or beverages; other soy-based foods, TOFU TOPPERS tofu.

Wysong Corporation *C SF*
1880 North Eastman, Midland, MI, 48640 U.S.A.; PH: 517/631-0009; FAX: 517/631-8801.
CONTACT: Pamela Sampier
Continuous screw press; crude soybean oil. Full fat soy flour; soy oil products, cooking/salad oil; salad dressing; soyfoods, other soy-based foods, whole extruded soybeans.

Yaupon Soyfoods ★ *SF*
226 E. Austin Street, Elgin, TX, 78621 U.S.A.; PH: 512/285-3810.
CONTACT: Chico Wagner, Owner
Soyfoods, soymilk, drinks or beverages (plain in 1/2 gal., gal. and pint sizes); tempeh (plain soy, in 8 oz. pkg.); tofu & tofu products (16 oz. pkg. & 20 lb. bulk sizes).

VENEZUELA

Consorcio Oleaginoso Portuguesa S.A. (COPOSA) ★ *C R SF IP*
Carretera Via Payara, Apartado 112, Acarigua 3301, Portuguesa, VENEZUELA; PH: 58/55/48355; FAX: 58/55/48151 or 48270; TLX: 55200 (COPOS).
CONTACT: Nelson Quijada, Gen. Mgr.
Continuous screw press, solvent extraction; crush cap. 1,000MT/day; storage cap. 40,000MT; animal/livestock feed, crude degummed soybean oil, crude soybean oil, hulls, meal; served by truck, rail. Refining cap. 300MT/day; storage cap. 14,000MT; crude degummed soybean oil, crude soy lecithin, edible soy oil products, hydrogenated soy oil, refined soybean oil; served by truck, rail. Soy oil products, cooking/salad oil; margarine; shortening. Soy oil (industrial grade) for chemical uses.

YUGOSLAVIA

Tvornica za preradu soje *C IP*
Gazenica, PP 215, Zadar 57000, YUGOSLAVIA; PH: 01138/57-436024 or 24993 or 23400; TLX: 27149 (TPS).
Solvent extraction; crush cap. 1,100MT/day; storage cap. 70,000MT; crude degummed soybean oil, meal; served by barge, rail, truck and ship. Lecithin (industrial grade).

ZAMBIA

Lee Yeast Zambia Ltd. *C SF IP*
Plot 7 Luapula Road, P.O. Box 271, Kafue, ZAMBIA; PH: 11/311289 or 311243; TLX: 70010 (YEAST).
CONTACT: Rashid Limbada, Dir.
Crush cap. 20MT/day; storage cap. 6,000MT; animal/livestock feed. Full fat soy flour. Full fat soy flour/soy protein (industrial grade); for animal feed.

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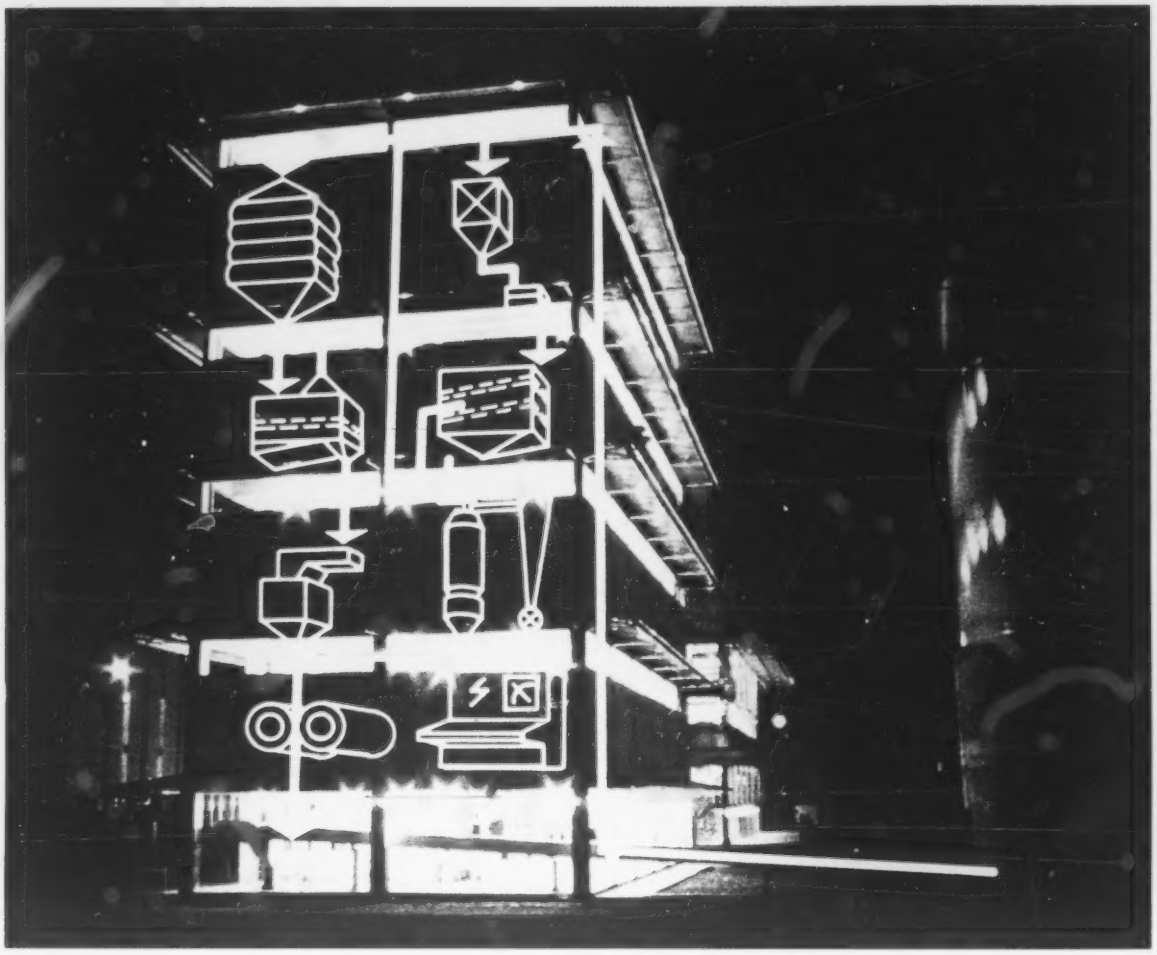

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Guide To:
Equipment, Supplies and Services

White Pages - Companies Listed by Product

How To Use These Listings: Locate desired product in the following index and turn to page indicated. There you will find names of companies listed under the category you selected. For more information on the companies, turn to the *Yellow Pages* section starting on page 153.

INDEX OF EQUIPMENT, SUPPLIES & SERVICES

Aeration Equipment
See Conditioners & Coolers 107
Dryers, Grain & Meal 115, 116
Agitators, Liquid 101
Air Classifiers 101
Alkali Suppliers
See Caustic/Alkali Suppliers 104
Analytical Laboratories 101
Analytical Laboratory Equipment 102
Anti-Caking Agents 102
Antioxidants 102
Aspirators 102
Automatic Samplers 102
Bagging Equipment
See Bags, Bagging Equipment 103
Bags, Bagging Equipment 103
Banker 103
Barge Line
See Freight Line, Barge 121
Bleaching & Filtering Equipment 103
Bleaching Clays/Earths 103
Broker, Cash/Product 104
Broker, Futures 104
Buildings, Flat Storage 104
Bulk Liquid Storage
See Storage, Bulk Liquid 139
Catalysts, Hydrogenation 104
Caustic/Alkali Suppliers 104
Centrifuges 105
Chemical Refining/Neutralization Equipment
See Refining/Neutralization Equipment, Chemical 128
Clays, Bleaching
See Bleaching Clays/Earths 103
Cleaners, Commercial Grain
See Commercial Grain Cleaners 105
Cleaning/Sanitizing Equipment & Supplies 105
Commercial Grain Cleaners 105
Commodity Hedger 106
Commodity News Wires
See News Wires, Commodity 126
Computer Process Control, Hardware 106
Computer Process Control, Programming 106
Computer Process Control, Software 106
Condensers, Solvent Recovery 107
Conditioners & Coolers 107
Construction Contractors, Complete Plants 107
Construction Contractors, Protein Plants 108
Consultants, Equipment 108
Consultants, Industrial Processes 109
Consultants, Marketing 110
Consultants, Plant Layout 110
Consultants, Product Development 110
Continuous Screw Presses
See Presses, Continuous Screw 126
Contract Research (Pilot Scale) 112
Control Instruments 112
Conveyors (Drag or en Masse) 112
Cookers/Extruders/Roasters 112
Coolers
See Conditioners & Coolers 107
Cracking Equipment
See Flaking & Cracking Equipment 120
Crude Oil Storage Tanks
See Tanks, Crude Oil Storage 139
Degumming Equipment 113
Dehulling Equipment 114
Deodorization Equipment 114
Desolventizers, Flash Vapor
See Flake Desolventizers, Flash Vapor 119
Desolventizers, Normal
See Flake Desolventizers, Normal 120
Distillation Equipment, Fatty Acid
See Fatty Acid Distillation Equipment 119
Dryers, Grain 115
Dryers, Meal 116
Dryers, Oil 116
Drying & Aeration Equipment
See Conditioners & Coolers; 107
Dryers, Grain , Meal & Oil 115, 116
Dust Control Systems & Supplies 116
Earths, Bleaching
See Bleaching Clays/Earths 103
Economic Forecaster 117
Elevator & Silo Storage 117
Emulsifiers 117
Engineering Services 117
Equipment Consultant
See Consultants, Equipment 108
Exporters of Soybeans & Soybean Products 118
Extruders
See Cookers/Extruders/Roasters 112
Fat Splitters/Separators 119
Fatty Acid Distillation Equipment 119
Fiber Analyzers
See Oil/Protein/Fiber Analyzers 126
Filter Presses
See Presses, Filter 127
Filtering Equipment
See Bleaching & Filtering Equipment 103
Presses, Filter 127
Flake Desolventizers, Flash/Vapor 119
Flake Desolventizers, Normal 120
Flaking & Cracking Equipment 120
Flow Measurement 120
Forwarding Agent 120
Fractionation Equipment 120
Freight Line, Barge 121

Continued On Next Page

INDEX OF EQUIPMENT, SUPPLIES & SERVICES

Freight Line, Ocean 121
Freight Line, Railroad Company 121
Freight Line, Trucking 121
Fumigants 121
Futures
See Brokers, Futures 104
Grain Analyzers 121
Grain Cleaners
See Commercial Grain Cleaners 105
Grain Dryers
See Dryers, Grain 115
Hammermills 121
Heat Exchangers 122
Hydraulic Presses
See Presses, Hydraulic 127
Hydrogen Generation Equipment 122
Hydrogenation Catalysts
See Catalysts, Hydrogenation 104
Hydrogenation Equipment 122
Importers of Soybeans & Soybean Products 122
Industrial Process Consultant
See Consultants, Industrial Processes 109
Information Services
See News Wires, Commodity; Publications/Informational Services 126
Inspection Services 123
Instruments, Instrument Systems 123
Liquid Agitators
See Agitators, Liquid 101
Loading & Unloading Equipment, Barge 123
Loading & Unloading Equipment, Railroad 124
Loading & Unloading Equipment, Ship 124
Loading & Unloading Equipment, Truck 124
Margarine Equipment 124
Margarine Packaging Equipment
See Soyfoods Packaging Equipment & Supplies 138
Marketing Consultant
See Consultants, Marketing 110
Material Level Controls 124
Meal Dryers
See Dryers, Meal 116
Metal Detection
See Quality Control, Metal Detection 128
Milling Equipment Supplies, Spare Parts & Repair 125
Mixing Equipment (Dry) 125
Moisture Testers 126
News Wires, Commodity 126
Ocean Freight Line
See Freight Line, Ocean 121
Ocean Port Terminal
See Terminal, Ocean Port 140
Oil Dryers
See Dryers, Oil 116
Oil/Protein/Fiber Analyzers 126
Organically Grown Soybeans
See Soybeans, Organically Grown 136
Packaging Equipment & Supplies
See Soyfoods Packaging Equipment & Supplies 138
Pelleting Equipment 126
Physical Refining/Neutralization Equipment
See Refining/Neutralization Equipment, Physical 128
Plant Construction
See Construction Contractors, Complete Plants & Protein Plants 107, 108
Presses, Continuous Screw 126
Presses, Filter 127
Presses, Hydraulic 127
Product Development
See Consultants, Product Development 110
Protein Analyzers
See Oil/Protein/Fiber Analyzers 126
Publications/ Informational Services 127
Pulverizing Equipment 128
Quality Control/ Metal Detection 128
Railroad Company
See Freight Line, Railroad Company 121
Recyclers, Spent Catalyst
See Spent Catalyst Recyclers 138
Refining/Neutralization Equipment, Chemical 128
Refining/Neutralization Equipment, Physical 128
Roasters
See Cookers/Extruders/ Roasters 112
Samplers, Automatic
See Automatic Samplers 102
Sanitizing Equipment & Supplies
See Cleaning/Sanitizing Equipment & Supplies 105
Scales 130
Screeners/Screening Equipment 130
Screening Equipment
See Screeners/Screening Equipment 130
Separators
See Fat Splitters/Separators 119
Shortening Equipment 130
Silo Storage
See Elevator & Silo Storage 117
Soapstock Equipment 132
Solvent Extraction Distillation Equipment 132
Solvent Extraction Equipment 133
Solvent Recovery Condensers
See Condensers, Solvent Recovery 107
Solvent Vapor Detection & Control 134
Solvents 134
Soy Protein Equipment & Supplies 134
Soybean Breeder 134
Soybean Seed Supplier 134
Soybeans 134
Soybeans, Food Use 136
Soybeans, Organically Grown 136
Soyfoods Equipment & Supplies
See Soymilk & Tofu Equipment & Supplies 138
Soyfoods Packaging Equipment & Supplies 138
Soymilk & Tofu Equipment & Supplies 138
Spent Catalyst Recyclers 138
Storage Equipment & Supplies 138
Storage, Bulk Liquid 139
Surveys
See Weighing Services & Surveys 141
Tanks, Crude Oil Storage 139
Temperature Monitors 139
Terminal, Ocean Port 140
Terminal, U.S. Interior Port 140
Toasters
See Cookers/Extruders/ Roasters 112
Tofu Equipment & Supplies
See Soymilk & Tofu Equipment & Supplies 138
Trading Company 140
Transportation 141
Trucking Firm
See Freight Line, Trucking 121
U.S. Interior Port
See Terminal, U.S. Interior Port 140
Used Equipment 141
Warehousing 141
Warning Systems 141
Waste Water Treatment Equipment 141
Weighing Services & Surveys 141

For A Complete Index Of Soy-Based Products Listed
See Page 29

▼ AERATION EQUIPMENT
(See CONDITIONERS & COOLERS; DRYERS, GRAIN; DRYERS, MEAL)

▼ AGITATORS, LIQUID

Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 266
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
APV Crepaco, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet S.A.I.C., (ARGENTINA)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
PT Duta Semesta Mukti, (INDONESIA)
Dynequip, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
LIGHTNIN, (U.S.A.)
Machinery Supply, Inc., (U.S.A.)
G. Mazzoni S.p.A., (ITALY)
Mercer Engineers, Inc., (U.S.A.)
Miura Engineering Company, Ltd., (JAPAN)
Prochem Mixing Equipment Ltd., (CANADA)
Quadro, Inc., (U.S.A.)
SERVCO S.p.A., (ITALY)
Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)

▼ AIR CLASSIFIERS

Prater Industries, Inc., (U.S.A.) ..... P. 142
Adasco, Inc., (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
APM Technology Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Carver, Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cimbria Unigrain Ltd. A/S, (DENMARK)
Crippen Manufacturing Company, Inc., (U.S.A.)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
Forsbergs, Inc., (U.S.A.)
J. L. Horst, Inc., (U.S.A.)
Hosokawa Micron Division, (U.S.A.)
Kamas Industri AB, (SWEDEN)
Kice Industries, Inc., (U.S.A.)
Machinery Supply, Inc., (U.S.A.)
Mid-America Products, Inc., (U.S.A.)
Mid-South Metric Components Company, (U.S.A.)
Smico Manufacturing Corp., (U.S.A.)
Sturtevant Inc., (U.S.A.)
Triple/S Dynamics, Inc., (U.S.A.)

▼ ALKALI SUPPLIERS
(See CAUSTIC/ALKALI SUPPLIERS)

▼ ANALYTICAL LABORATORIES

Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... P. 135
APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
De Smet Group, (BELGIUM) ..... P. 262
Southern Testing and Research Laboratories, Inc., (U.S.A.) ..... P. 101
Woodson-Tenent Laboratories, Inc., (U.S.A.) ..... P. 102
Associated Laboratories, (U.S.A.)
Charles V. Bacon, Inc., (U.S.A.)
BPM Industries, (U.S.A.)
Bruker Spectrospin Canada Ltd., (CANADA)
Caleb Brett Nederland B.V., (NETHERLANDS)
Caleb Brett U.S.A., Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Chem-Staat Laboratories, Inc., (U.S.A.)
Curtis & Tompkins Laboratories, (U.S.A.)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
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De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
DICKEY-john Corporation, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Food Industry Research & Development Institute, (TAIWAN)
Fox Testing Laboratories, Inc., (U.S.A.)
Geo-Chem Laboratories Pvt. Ltd., (INDIA)
Industrial Laboratories, (U.S.A.)
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Step Ltd. STI, (TURKEY)

▼ ANALYTICAL LABORATORY EQUIPMENT

APV DTD, Soya Technology Division, (DENMARK) ..... **P. 264**
APM Technology Inc., (U.S.A.)
C. W. Brabender Instruments, Inc., (U.S.A.)
Bruker Spectrospin Canada Ltd., (CANADA)
CP Instrument Company Ltd., (ENGLAND)
DICKEY-john Corporation, (U.S.A.)
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Trebor Industries Inc., (U.S.A.)
VAREX Corporation, (U.S.A.)

▼ ANTI-CAKING AGENTS

American Colloid Company, (U.S.A.) ..... **P. 144**
W. R. Grace Company, (U.S.A.) ..... **P. 6, 7, 147**
Cedar Heights Clay Company, (U.S.A.)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
Engelhard Corporation, (U.S.A.)
J. M. Huber Corp.; Clay Division, (U.S.A.)
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Spads Biotechnica (P) Ltd., (INDIA)
UOP, (U.S.A.)

▼ ASPIRATORS

Buhler Inc., (U.S.A.) ..... **P. 98**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
Agra Erectors, Inc., (U.S.A.)
Andritz Spout Bauer, Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BAR N.A., Inc., (U.S.A.)
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▼ BAGS, BAGGING EQUIPMENT

Carl G. Brimmekamp & Company, Inc., (U.S.A.) ..... **P. 121**
S. Howes Company, Inc., (U.S.A.) ..... **P. 103**
Ag-Bag Corporation, (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Caleb Brett U.S.A., Inc., (U.S.A.)
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Schokhi Industrials Pvt. Ltd., (INDIA)

▼ BARGE LINE

(See FREIGHT LINE, BARGE)

▼ BLEACHING & FILTERING EQUIPMENT

Alfa-Laval Food Engineering A.B, (SWEDEN) ..... **P. 135**
Campro Agra Limited, (CANADA) ..... **P. 113**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
S. A. Fonderies Tirlaux, (BELGIUM) ..... **P. 114**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
AB Pellerin/Zenith, (SWEDEN)
Amafilter B.V., (NETHERLANDS)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BAR N.A., Inc., (U.S.A.)
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Wurster & Sanger, Inc., (U.S.A.)

▼ BLEACHING CLAYS/EARTHS

American Colloid Company, (U.S.A.) ..... **P. 144**
W. R. Grace Company, (U.S.A.) ..... **P. 6, 7, 147**
Cottor International, (INDIA)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
Engelhard Corporation, (U.S.A.)
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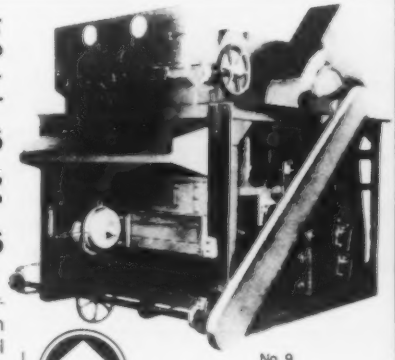

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Tecnintegral Ltda., (COLOMBIA)
United Catalysts Inc., (U.S.A.)

▼ BROKER, CASH/PRODUCT

Identity Seed & Grain Company, (U.S.A.) ..... **P. 136**
Minnesota Waxy, (U.S.A.) ..... **P. 55**
Alexanders Partners Limited, (ENGLAND)
Bartlett and Company, (U.S.A.)
Calgene Chemical, Inc., (U.S.A.)
Cargill de Venezuela C.A., (VENEZUELA)
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Taus Trading Company, (U.S.A.)
Tiger on Spreads, (U.S.A.)

▼ BUILDINGS, FLAT STORAGE

De Smet Group, (BELGIUM) ..... **P. 262**
Agra Erectors, Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
Baker Rullman Mfg. Inc., (U.S.A.)
Behlen Mfg. Company, (U.S.A.)
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▼ BULK LIQUID STORAGE

(See STORAGE, BULK LIQUID)

▼ CATALYSTS, HYDROGENATION

Calsicat, (U.S.A.) ..... **P. 8, 146**
W. R. Grace Company, (U.S.A.) ..... **P. 6, 7, 147**
Cottor International, (INDIA)
Engelhard Corp., (U.S.A.)
Engelhard Sutton, (ENGLAND)
Mallinckrodt, Inc., (U.S.A.)
Süd-Chemie AG, (GERMANY)
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Unichema Chemie GmbH, (GERMANY)
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United Catalysts Inc., (U.S.A.)

▼ CAUSTIC/ALKALI SUPPLIERS

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Centrico, Inc., (U.S.A.) ..... **P. 4**
Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
Alfa-Laval Scarples Limited, (ENGLAND)
Arrowhead Marketing Services Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
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▼ CENTRIFUGES

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... P. 135
Centrico, Inc., (U.S.A.) ..... P. 4
BAR N.A., Inc., (U.S.A.)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
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(See REFINING/NEUTRALIZATION EQUIPMENT, CHEMICAL)

▼ CLAYS, BLEACHING

(See BLEACHING CLAYS/EARTHS)

▼ CLEANERS, COMMERCIAL GRAIN

(See COMMERCIAL GRAIN CLEANERS)

▼ CLEANING/SANITIZING EQUIPMENT & SUPPLIES

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... P. 135
Cottor International, (INDIA)
Goudsmit Magnetic Systems B.V, (NETHERLANDS)
Miura Engineering Company, Ltd., (JAPAN)

▼ COMMERCIAL GRAIN CLEANERS

APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
Buhler Inc., (U.S.A.) ..... P. 98
Damman-Croes S.A., (BELGIUM) ..... P. 105
S. Howes Company, Inc., (U.S.A.) ..... P. 103
Kawanishi Shoko Company Ltd., (JAPAN) ..... P. 139
Adasco, Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BAR N.A., Inc., (U.S.A.)
C. W. Brabender Instruments, Inc., (U.S.A.)
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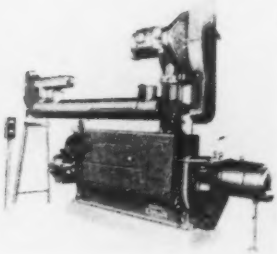

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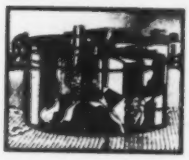

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Schokhi Industrials Pvt. Ltd., (INDIA)
Sparks Companies, Inc., (U.S.A.)
Taus Trading Company, (U.S.A.)
Tiger on Spreads, (U.S.A.)

▼ COMMODITY NEWS WIRES

(See NEWS WIRES, COMMODITY)

▼ COMPUTER PROCESS CONTROL, HARDWARE

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
APV DTD, Soya Technology Division, (DENMARK) ..... **P. 264**
De Smet Group, (BELGIUM) ..... **P. 262**
Abel Manufacturing Company, Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Bollheimer & Associates, Inc., (U.S.A.)
Bruker Spectrospin Canada Ltd., (CANADA)
Carter Manufacturing Company, Inc., (U.S.A.)
The Core Team, (U.S.A.)
Dantec Systems Corporation, (CANADA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
DICKEY-john Corporation, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
Dynequip, Inc., (U.S.A.)
Elliott Automation Company, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Food Industry Research & Development Institute, (TAIWAN)
The Foxboro Company, (U.S.A.)
Greenway Electric, Inc., (U.S.A.)
Ohaus Corporation, (U.S.A.)
Oil & Fat Consulting, (BELGIUM)
Schipke Engineers, (U.S.A.)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Westinghouse Electric Corporation, (U.S.A.)

▼ COMPUTER PROCESS CONTROL, PROGRAMMING

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... **P. 135**
De Smet Group, (BELGIUM) ..... **P. 262**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Abel Manufacturing Company, Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Bollheimer & Associates, Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Control Enterprises, Inc., (U.S.A.)
Dantec Systems Corporation, (CANADA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
DICKEY-john Corporation, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
Dynequip, Inc., (U.S.A.)
Elliott Automation Company, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Food Industry Research & Development Institute, (TAIWAN)
Fru-Con Engineering Inc., (U.S.A.)
Greenway Electric, Inc., (U.S.A.)
Miura Engineering Company, Ltd., (JAPAN)
Ohaus Corporation, (U.S.A.)
Oil & Fat Consulting, (BELGIUM)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Westinghouse Electric Corporation, (U.S.A.)

▼ COMPUTER PROCESS CONTROL, SOFTWARE

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... **P. 135**
APV DTD, Soya Technology Division, (DENMARK) ..... **P. 264**
De Smet Group, (BELGIUM) ..... **P. 262**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Abel Manufacturing Company, Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Bollheimer & Associates, Inc., (U.S.A.)
Bruker Spectrospin Canada Ltd., (CANADA)
Carter Manufacturing Company, Inc., (U.S.A.)
Control Enterprises, Inc., (U.S.A.)
The Core Team, (U.S.A.)
Dantec Systems Corporation, (CANADA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
DICKEY-john Corporation, (U.S.A.)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
Dynequip, Inc., (U.S.A.)
Elliott Automation Company, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Food Industry Research & Development Institute, (TAIWAN)
The Foxboro Company, (U.S.A.)
Greenway Electric, Inc., (U.S.A.)
Honeywell, Inc., Industrial Controls Division, (U.S.A.)
Libra Laboratories, Inc., (U.S.A.)
Davy McKee Corporation, (ENGLAND)
Ohaus Corporation, (U.S.A.)
Oil & Fat Consulting, (BELGIUM)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)

SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Westinghouse Electric Corporation, (U.S.A.)

▼ CONDENSERS, SOLVENT RECOVERY

Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
APV Crepaco, Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
CAMECO Industries, Honiron Division, (U.S.A.)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
Dedert Corporation, (U.S.A.)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
EMI Corporation, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
H.L.S. Ltd., (ISRAEL)
Hayes General Technology Company Ltd., (ISRAEL)
Lurgi GmbH, (GERMANY)
Machinery Supply, Inc., (U.S.A.)
Mannesmann Comercial S/A, (BRAZIL)
Masiero Industrial S.A., (BRAZIL)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Oil & Fat Consulting, (BELGIUM)
P.A.T.M. Company, (U.S.A.)
Plant Maintenance Service Corporation, (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
Saudi Davy Company Ltd., (SAUDI ARABIA)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Superior Welding Company, (U.S.A.)
Tecnintegral Ltda., (COLOMBIA)

▼ CONDITIONERS & COOLERS

Buhler Inc., (U.S.A.) ..... **P. 98**
Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
Andritz Spout Bauer, Inc., (U.S.A.)
Applikon Dependable Instruments BV, (NETHERLANDS)
APV Crepaco Inc., Dryer Division, (U.S.A.)
B.N.W. Industries, (U.S.A.)
Beard Industries, (U.S.A.)
BEPEX, (U.S.A.)
W. C. Cantrell Company, (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cimbria Unigrain Ltd. A/S, (DENMARK)
Cottor International, (INDIA)
Davenport Machine & Foundry Company, (U.S.A.)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
Dedert Corporation, (U.S.A.)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
EPE Incorporated, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
FEECO International, Inc., (U.S.A.)
Ferrell-Ross, (U.S.A.)
A. Gusmer, Inc., (U.S.A.)
Insta Pro International, Ltd., (U.S.A.)
International Reserve Equipment Corp., (U.S.A.)
Machinery Supply, Inc., (U.S.A.)
Mannesmann Comercial S/A, (BRAZIL)
Walter Maschinebau GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
National Dryer Services, Inc., (U.S.A.)
Plant Maintenance Service Corporation, (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Sprout-Bauer, Inc., (U.S.A.)
Step Ltd. STI, (TURKEY)
Sulzer-Escher Wyss GmbH, (GERMANY)
Sulzer Chemtech, c/o Sulzer USA Inc., (U.S.A.)
Superior Welding Company, (U.S.A.)
AB Svegma, (SWEDEN)
Tecnintegral Ltda., (COLOMBIA)

▼ CONSTRUCTION CONTRACTORS, COMPLETE PLANTS

De Smet Group, (BELGIUM) ..... **P. 262**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
Laidig Industrial Systems, (U.S.A.) ..... **P. 148**
A-Lert Corporation, (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
The Austin Company - Process Division, (U.S.A.)
Baker Rullman Mfg. Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Ken Becker Associates Inc., (U.S.A.)
Borton, Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Cimbria Unigrain Ltd. A/S, (DENMARK)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)

De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet S.A.I.C., (ARGENTINA)
Davy Dravo, (U.S.A.)
PT Duta Semasta Mukti, (INDONESIA)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fluor Daniel Siting & Consulting Services, (U.S.A.)
Fratelli Gianazza S.p.A., (ITALY)
Fru-Con Engineering Inc., (U.S.A.)
General Resource Corp., (U.S.A.)
Greenway Electric, Inc., (U.S.A.)
H.L.S. Ltd., (ISRAEL)
Hayes General Technology Company Ltd., (ISRAEL)
Industrial Erectors, Inc., (U.S.A.)
Industry General Corporation, (U.S.A.)
Franz Kirchfeld GmbH & Company KG, (GERMANY)
Mannesmann Comercial S/A, (BRAZIL)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
McKee del Plata, S.A., (ARGENTINA)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Meitar Apartos S.A., (ARGENTINA)
Miura Engineering Company, Ltd., (JAPAN)
The Nay Company, (U.S.A.)
Oil & Fat Consulting, (BELGIUM)
Pro-Fab, Inc., (U.S.A.)
Saudi Davy Company Ltd., (SAUDI ARABIA)
SERVCO S.p.A., (ITALY)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Stout Industrial, (U.S.A.)
Tecnintegral Ltda., (COLOMBIA)
Van Sickle, Allen & Associates, Inc., (U.S.A.)
Younglove - Planners, Engineers, Constructors, (U.S.A.)

▼ CONSTRUCTION CONTRACTORS, PROTEIN PLANTS

Laidig Industrial Systems, (U.S.A.) ..... **P. 148**
Ken Becker Associates Inc., (U.S.A.)
Borton, Inc., (U.S.A.)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
Davy Dravo, (U.S.A.)
Fluor Daniel Siting & Consulting Services, (U.S.A.)
Fru-Con Engineering Inc., (U.S.A.)
General Resource Corp., (U.S.A.)
Hayes General Technology Company Ltd., (ISRAEL)
Industrial Erectors, Inc., (U.S.A.)
Industry General Corporation, (U.S.A.)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
McKee del Plata, S.A., (ARGENTINA)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Pro-Fab, Inc., (U.S.A.)
Saudi Davy Company Ltd., (SAUDI ARABIA)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Van Sickle, Allen & Associates, Inc., (U.S.A.)

▼ CONSULTANTS, EQUIPMENT

Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Campro Agra Limited, (CANADA) ..... **P. 113**
Soyatech, Inc., (U.S.A.) ..... **P. 43, 129**
A.G.M.E. International Corp., (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Artisan Industries, Inc., (U.S.A.)
Baker Rullman Mfg. Inc., (U.S.A.)
Ken Becker Associates Inc., (U.S.A.)
Bollheimer & Associates, Inc., (U.S.A.)
Ross Brian and Associates, (U.S.A.)
W. C. Cantrell Company, (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Carver, Inc., (U.S.A.)
The Core Team, (U.S.A.)
Cottor International, (INDIA)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
Dosi & Associates, (INDIA)
Davy Dravo, (U.S.A.)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
EPE Incorporated, (U.S.A.)
Food Ingredients (Minnesota) Inc., (U.S.A.)
Fru-Con Engineering Inc., (U.S.A.)
GA Expertise Inc., (U.S.A.)
General Resource Corp., (U.S.A.)
A. Gusmer, Inc., (U.S.A.)
H.L.S. Ltd., (ISRAEL)
Hayes General Technology Company Ltd., (ISRAEL)
Herzog-Hart Corp., (U.S.A.)
Industrie-Technik GmbH, (GERMANY)
Jaymark, Division of Kenscott Ltd., (CANADA)
Lactosoy Research, (SWEDEN)
Lembeck Associates, Inc., (U.S.A.)
Liquid Filtration Consultants (LFC), (NETHERLANDS)
Machinery Supply, Inc., (U.S.A.)
Mannesmann Comercial S/A, (BRAZIL)
Walter Maschinebau GmbH, (GERMANY)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
McKee del Plata, S.A., (ARGENTINA)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Mercer Engineers, Inc., (U.S.A.)
Noctorum Holdings Inc., (CANADA)
POS Pilot Plant Corporation, (CANADA)
Pro-Fab, Inc., (U.S.A.)
ProSoya Foods International, Inc., (CANADA)
Rose International, (U.S.A.)
Saudi Davy Company Ltd., (SAUDI ARABIA)
Schinke Engineers, (U.S.A.)
Scnokhi Industrials Pvt. Ltd., (INDIA)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
Skandinavisk Levnedsmiddel Rådgivning A/S, (DENMARK)
Soyfoods Center, (U.S.A.)
Sprout-Bauer, Inc., (U.S.A.)
Tecnintegral Ltda., (COLOMBIA)
U.S. Petrolon Industrial, Inc., (U.S.A.)
V. R. B. Enterprises, (U.S.A.)
Van Sickle, Allen & Associates, Inc., (U.S.A.)

▼ CONSULTANTS, INDUSTRIAL PROCESSES

Campro Agra Limited, (CANADA) ..... **P. 113**
Soyatech, Inc., (U.S.A.) ..... **P. 43, 129**
A.G.M.E. International Corp., (U.S.A.)
ADI International Inc., (CANADA)
APV Crepaco, Inc., (U.S.A.)
Artisan Industries, Inc., (U.S.A.)
Ken Becker Associates Inc., (U.S.A.)
Ross Brian and Associates, (U.S.A.)
Byron Agricultural Company Pty. Ltd., (AUSTRALIA)
W. C. Cantrell Company, (U.S.A.)
Control Enterprises, Inc., (U.S.A.)
The Core Team, (U.S.A.)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
De Smet Process & Technology, Inc., (U.S.A.)
Dosi & Associates, (INDIA)
Davy Dravo, (U.S.A.)
EPE Incorporated, (U.S.A.)
Experience, Inc., (U.S.A.)
Fluor Daniel Siting & Consulting Services, (U.S.A.)
Food Industry Research & Development Institute, (TAIWAN)
Food Ingredients (Minnesota) Inc., (U.S.A.)
Fru-Con Engineering Inc., (U.S.A.)
GA Expertise Inc., (U.S.A.)
General Resource Corp., (U.S.A.)
GIE Grainval, (FRANCE)
Greenway Electric, Inc., (U.S.A.)
A. Gusmer, Inc., (U.S.A.)
H.L.S. Ltd., (ISRAEL)
Hayes General Technology Company Ltd., (ISRAEL)
Herzog-Hart Corp., (U.S.A.)
T. E. Ibberson Company, (U.S.A.)
Ibberson Engineering, Inc., (U.S.A.)
Ibberson International, Inc., (U.S.A.)
Industrie-Technik GmbH, (GERMANY)
Peter Kalustian Associates, Inc., (U.S.A.)
Lactosoy Research, (SWEDEN)
Linnhoff March, Inc., (U.S.A.)
Lipid Systems International, (U.S.A.)
Mannesmann Comercial S/A, (BRAZIL)
Walter Maschinebau GmbH, (GERMANY)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
McKee del Plata, S.A., (ARGENTINA)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Mercer Engineers, Inc., (U.S.A.)
Noctorum Holdings Inc., (CANADA)
POS Pilot Plant Corporation, (CANADA)
ProSoya Foods International, Inc., (CANADA)
Dennis E. Roby & Associates Inc., (U.S.A.)
Rolland Engineering, Inc., (U.S.A.)
Rose International, (U.S.A.)
Saudi Davy Company Ltd., (SAUDI ARABIA)
Schipke Engineers, (U.S.A.)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
Skandinavisk Løvnedsmiddel Rådgivning A/S, (DENMARK)
Soyfoods Center, (U.S.A.)
Soypro International, Inc., (U.S.A.)
Tecnintegral Ltda., (COLOMBIA)
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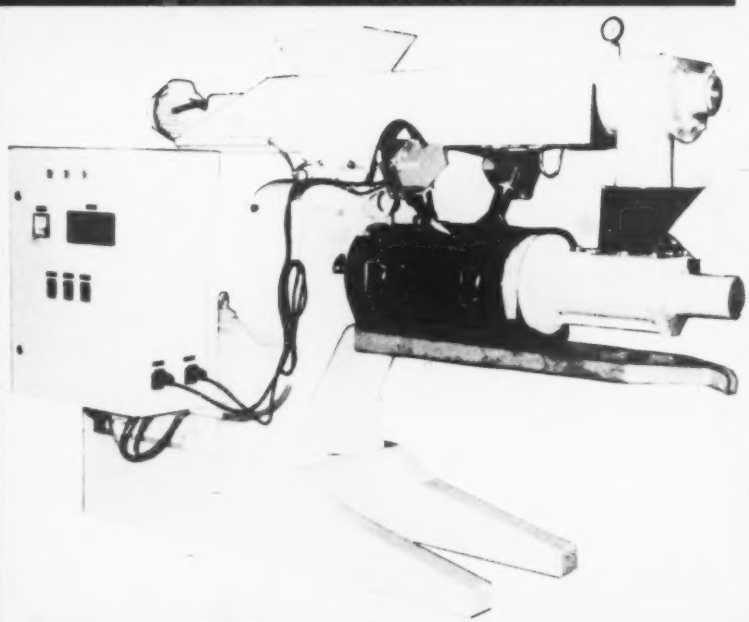

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▼ CONSULTANTS, MARKETING

Soystech, Inc., (U.S.A.) ..... **P. 43, 129**
Strayer Seed Farms, (U.S.A.) ..... **P. 151**
A.G.M.E. International Corp., (U.S.A.)
Abel, Daft & Earley, (U.S.A.)
Aceites Industriales El Zapote, (MEXICO)
Advance Foods, Inc., (JAPAN)
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V. R. B. Enterprises, (U.S.A.)
Joel Wollner & Associates, (U.S.A.)
John H. Young, (U.S.A.)

▼ CONSULTANTS, PLANT LAYOUT

Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... **P. 135**
APV DTD, Soya Technology Division, (DENMARK) ..... **P. 264**
Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Campro Agra Limited, (CANADA) ..... **P. 113**
Soystech, Inc., (U.S.A.) ..... **P. 43, 129**
A.G.M.E. International Corp., (U.S.A.)
Abel Manufacturing Company, Inc., (U.S.A.)
Adasco, Inc., (U.S.A.)
Advanced Foods Systems, (U.S.A.)
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Younglove - Planners, Engineers, Constructors, (U.S.A.)

▼ CONSULTANTS, PRODUCT DEVELOPMENT

Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... **P. 135**
APV DTD, Soya Technology Division, (DENMARK) ..... **P. 264**
Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Soystech, Inc., (U.S.A.) ..... **P. 43, 129**
A.G.M.E. International Corp., (U.S.A.)
Advanced Foods Systems, (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Ken Becker Associates Inc., (U.S.A.)
Byron Agricultural Company Pty. Ltd., (AUSTRALIA)
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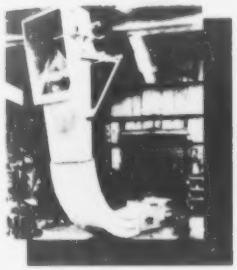
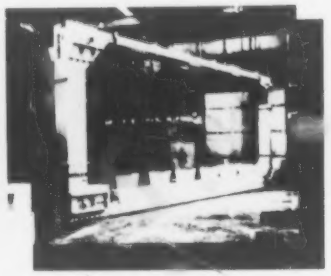
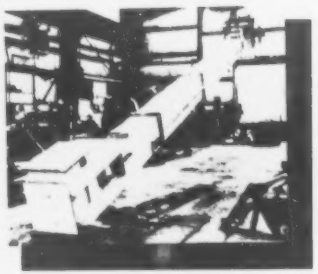
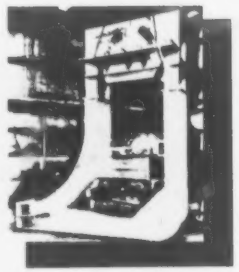

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▼ CONTINUOUS SCREW PRESSES
(See PRESSES, CONTINUOUS SCREW)

▼ CONTRACT RESEARCH (PILOT SCALE)

Campro Agra Limited, (CANADA) ..... **P. 113**
De Smet Group, (BELGIUM) ..... **P. 266**
Soyatech, Inc., (U.S.A.) ..... **P. 43, 129**
ADI International Inc., (CANADA)
Advanced Foods Systems, (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Byron Agricultural Company Pty. Ltd., (AUSTRALIA)
Carver, Inc., (U.S.A.)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
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Step Ltd. STI, (TURKEY)
Joel Wollner & Associates, (U.S.A.)

▼ CONTROL INSTRUMENTS

Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Abel Manufacturing Company, Inc., (U.S.A.)
Applikon Dependable Instruments BV, (NETHERLANDS)
Behlen Mfg. Company, (U.S.A.)
Bindicator, (U.S.A.)
Chronos Richardson, Inc., (U.S.A.)
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Panel Systems Company, (U.S.A.)
George A. Rolfes Company, (U.S.A.)
Westinghouse Electric Corporation, (U.S.A.)

▼ CONVEYORS (DRAG OR EN MASSE)

Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Carl G. Brimmekamp & Company, Inc., (U.S.A.) ..... **P. 121**
Buhler Inc., (U.S.A.) ..... **P. 98**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
Divine Engineering, Inc., (U.S.A.) ..... **P. 111**
Tramco, Inc., (U.S.A.) ..... **Inside Back Cover**
Abrasion Engineering, Inc., (U.S.A.)
All-State Belting Company, (U.S.A.)
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Sprout-Bauer, Inc., (U.S.A.)
Tecnintegral Ltda., (COLOMBIA)
Triple/S Dynamics, Inc., (U.S.A.)

▼ COOKERS/ EXTRUDERS/ROASTERS

Anderson International Corp., (U.S.A.) ..... **P. 9**
Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Buhler Inc., (U.S.A.) ..... **P. 98**
Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
Maschinenfabrik Reinartz GmbH & Co. KG, (GERMANY) ..... **P. 109**
Amandus Kahl Nachf., (GERMANY)
Andritz Sprout Bauer, Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
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Sikes Machine Shop, Inc., (U.S.A.)
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▼ COOLERS
(See CONDITIONERS & COOLERS)

▼ CRACKING EQUIPMENT
(See FLAKING & CRACKING EQUIPMENT)

▼ CRUDE OIL STORAGE TANKS
(See TANKS, CRUDE OIL STORAGE)

▼ DEGUMMING EQUIPMENT

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Campro Agra Limited, (CANADA) ..... P. 113
Centrico, Inc., (U.S.A.) ..... P. 4
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
Alfa-Laval Scarples Limited, (ENGLAND)
BAR N.A., Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
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▼ DEHULLING EQUIPMENT

APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
Bean Machines, Inc., (U.S.A.) ..... P. 138, 145
Buhler Inc., (U.S.A.) ..... P. 98
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
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▼ DEODORIZATION EQUIPMENT

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Campro Agra Limited, (CANADA) ..... P. 113
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
APV Crepaco, Inc., (U.S.A.)
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▼ DESOLVENTIZERS, FLASH VAPOR

(SEE FLAKE DESOLVENTIZERS, FLASH/VAPOR)

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(See FLAKE DESOLVENTIZERS, NORMAL)

▼ DISTILLATION EQUIPMENT, FATTY ACID

(See FATTY ACID DISTILLATION EQUIPMENT)

▼ DRYERS, GRAIN

Anderson International Corp., (U.S.A.) ..... P. 9
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
Zimmerman Equipment Company, (U.S.A.) ..... P. 115
Aeroglide Corporation, (U.S.A.)
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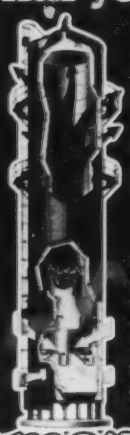

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▼ DRYERS, MEAL

Anderson International Corp., (U.S.A.) ..... **P. 9**
Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
Amandus Kahl Nachf., (GERMANY)
APV Crepaco, Inc., (U.S.A.)
B.N.W. Industries, (U.S.A.)
Beard Industries, (U.S.A.)
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Superior Welding Company, (U.S.A.)

▼ DRYERS, OIL

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Campro Agra Limited, (CANADA) ..... **P. 113**
Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
CAMECO Industries, Honiron Division, (U.S.A.)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
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▼ DUST CONTROL SYSTEMS & SUPPLIES

APV DTD, Soya Technology Division, (DENMARK) ..... **P. 264**
Buhler Inc., (U.S.A.) ..... **P. 98**
Phillips 66 Company, (U.S.A.) ..... **P. 132**

H. R. Williams Mill Supply Company, (U.S.A.) ..... P. 130
Adasco, Inc., (U.S.A.)
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▼ ELEVATOR & SILO STORAGE
APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
Laidig Industrial Systems, (U.S.A.) ..... P. 148
Abel Manufacturing Company, Inc., (U.S.A.)
Ag-Bag Corporation, (U.S.A.)
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▼ ENGINEERING SERVICES
Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... P. 135
APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
Campro Agra Limited, (CANADA) ..... P. 113
De Smet Group, (BELGIUM) ..... P. 262
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
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(See CONSULTANTS, EQUIPMENT)

▼ EXPORTERS OF SOYBEANS & SOYBEAN PRODUCTS

Hudson Tank Terminals Corporation, (U.S.A.) ..... P. 263
Identity Seed & Grain Company, (U.S.A.) ..... P. 136
Minnesota Waxy, (U.S.A.) ..... P. 55
Mycal Group, Nichii Company of America, (U.S.A.) ..... P. 35, 56, 149
Strayer Seed Farms, (U.S.A.) ..... P. 151
Abripro Biosciences Inc. (ABI), (U.S.A.)
Aceites Industriales El Zapote, (MEXICO)
ACSAL S.A., (SWITZERLAND)
Al-Quadri International, (BANGLADESH)
Alimentos S.A., (GUATEMALA)
Amber, Inc., (U.S.A.)
American Lecithin Company, (U.S.A.)
Arista Industries, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Biofix Corporation, (U.S.A.)
Cabotage Trading Company, Inc., (U.S.A.)
Callahan Enterprises, Inc., (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Chew International, (U.S.A.)
Consolidated Grain and Barge Company, (U.S.A.)
Continental Grain Company, (U.S.A.)
Country Grown Foods, (U.S.A.)
CTC, North America, Inc., (U.S.A.)
DeKalb Pfizer Genetics, (U.S.A.)
Distribuidora Veterinaria del Pacifico, S.A. de C.V., (MEXICO)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
Dr. Chung's Foods Company, Ltd., (KOREA, REPUBLIC OF [SOUTH KOREA])
Louis Dreyfus Corp., (U.S.A.)
Eden Foods, Inc., (U.S.A.)
Ehrich Seed Farms, Inc., (U.S.A.)
Elders QGGA Grain Pty. Ltd., (AUSTRALIA)
Esteve Irmaos S.A., (BRAZIL)
Fandrich Supply Company, (U.S.A.)
Fareastam (Chile) Ltd., (CHILE)
Flour & Food Ltd., (INDIA)
Fwu Sow Grain Products Company, Ltd., (TAIWAN)
Gardner Smith Pty. Ltd., (AUSTRALIA)
Garnac Grain Company, Inc., (U.S.A.)
General Foods Limited, (INDIA)
Goorden N.V., (BELGIUM)
Graines & Huiles Zaden & Olien N.V., (BELGIUM)
Great Wall Enterprise Company Ltd., (TAIWAN)
Carl R. Gurley Inc., (U.S.A.)
Howard Hall International, (U.S.A.)
Jacob Hartz Seed Company, Inc., (U.S.A.)
Horizon Trading Company Inc., (U.S.A.)
Industrias J. B. Duarte S.A., (BRAZIL)
International Farmers Grain Inc., (U.S.A.)
International Proteins Corporation, (U.S.A.)
Israel Export & Trust Corp., (ISRAEL)
JMS Seed Company, (U.S.A.)
Kapil Agro Ltd., (INDIA)
King Agro, Division of Kingroup, Inc., (CANADA)
King Grain, (CANADA)
Living Farms, (U.S.A.)
Lockhart Grain & Fertilizer Company, Inc., (U.S.A.)
Lucas Ingredients Ltd., (ENGLAND)
Marubeni America Corporation, (U.S.A.)
Maywood Holdings, Inc., (U.S.A.)
Miami Margarine Company, (U.S.A.)
Midwest Soya International, Inc., (U.S.A.)
Mills Brothers International, Inc., (U.S.A.)
Mitoku Company Ltd., (JAPAN)
Mitsubishi International Corp., (U.S.A.)
Mitsui Grain Corporation, (U.S.A.)
Nissho Iwai American Corporation, (U.S.A.)
Nissho Iwai Corporation, (JAPAN)
NKS Eurotrade (UK) Ltd., (ENGLAND)
Noblee & Theorl GmbH, (GERMANY)
N.V. Oliefabriek Lichtervelde, (BELGIUM)
Oriac International, (CANADA)
P.A.T.M. Company, (U.S.A.)
Pacific Soybean & Grain, (U.S.A.)
Pagaza & Sons Company, (U.S.A.)
Patum Vegetable Oil Company, Ltd., (THAILAND)
PdT International, Inc., (U.S.A.)
The Pillsbury Company, (U.S.A.)
Port of Houston Authority, (U.S.A.)
President Enterprises Corp., (TAIWAN)
Promexport Canada Ltd., (CANADA)
Resegue Industria e Comercio S.A., (BRAZIL)
Rickel, Inc., (U.S.A.)
Rose International, (U.S.A.)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
S.I.B. N.V., (BELGIUM)
Schnupp's Grain Roasting, Inc., (U.S.A.)
Schokhi Industrials Pvt. Ltd., (INDIA)

Schouten Commodities B.V., (NETHERLANDS)
Schouten USA Inc., (U.S.A.)
Seaboard Trading Limited, (U.S.A.)
Siegel Chemical Export Corporation, (U.S.A.)
Sigco Sun Products, Inc., (U.S.A.)
A. R. Smith & Company, Inc., (U.S.A.)
Specialty Grain Company, (U.S.A.)
Specialty Grains, Inc., (U.S.A.)
SPP Cambridge, (ENGLAND)
A. E. Staley Manufacturing Company, Gunther Division, (U.S.A.)
TAGOL S.A., (PORTUGAL)
Terral-Norris Seed Company, Inc., (U.S.A.)
Timmins Group, Inc., (U.S.A.)
Alfred C. Toepfer International, Inc., (U.S.A.)
Toyomenka (America), Inc., (U.S.A.)
Tvornica za preradu soje, (YUGOSLAVIA)
W. D. & J. International, (U.S.A.)
Wan Jia Shiang Brewery Company Ltd., (TAIWAN)

▼ EXTRUDERS
(See COOKERS/EXTRUDERS/ROASTERS)

▼ FAT SPLITTERS/ SEPARATORS

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet S.A I.C., (ARGENTINA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
EMI Corporation, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
Len E. Ivarson, Inc., (U.S.A.)
Lurgi GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Corporation, (ENGLAND)
Miura Engineering Company, Ltd., (JAPAN)
Pro-Fab, Inc., (U.S.A.)
Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)
Wurster & Sanger, Inc., (U.S.A.)

▼ FATTY ACID DISTILLATION EQUIPMENT

Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
APV Crepaco, Inc., (U.S.A.)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet S.A.I.C., (ARGENTINA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
EMI Corporation, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
Lurgi GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Corporation, (ENGLAND)
Meitar Apartos S.A., (ARGENTINA)
Miura Engineering Company, Ltd., (JAPAN)
Nash-Kinema, Inc., (U.S.A.)
P.A.T.M. Company, (U.S.A.)
Pitt-Des Moines, Inc., (U.S.A.)
Plant Maintenance Service Corporation, (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)
Wurster & Sanger, Inc., (U.S.A.)

▼ FIBER ANALYZERS
(See OIL/PROTEIN/FIBER ANALYZERS)

▼ FILTER PRESSES
(See PRESSES, FILTER)

▼ FILTERING EQUIPMENT
(See BLEACHING & FILTERING EQUIPMENT; PRESSES, FILTER)

▼ FLAKE DESOLVENTIZERS, FLASH/VAPOR

Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
CAMECO Industries, Honiron Division, (U.S.A.)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
Smet S.A.I.C., (ARGENTINA)
Davy Dravo, (U.S.A.)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
EMI Corporation, (U.S.A.)
ERDCO Engineering Corporation, (U.S.A.)
N.V. Extraction De Smet S.A., (BELGIUM)
The Foxboro Company, (U.S.A.)
Fratelli Gianazza S.p.A., (ITALY)
H.L.S. Ltd., (ISRAEL)
Hayes General Technology Company Ltd., (ISRAEL)
Lurgi GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
McKee del Plata, S.A., (ARGENTINA)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Perstorp Analytical, Inc., (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
Saudi Davy Company Ltd., (SAUDI ARABIA)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Tecnintegral Ltda., (COLOMBIA)

▼ FLAKE DESOLVENTIZERS, NORMAL

Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
CAMECO Industries, Honiron Division, (U.S.A.)
Davy Corporation plc., (U.S.S.R.)
Davy Corporation plc., (CHINA, PEOPLE'S REPUBLIC OF)
Davy Powergas India Private Ltd., (INDIA)
Davy South Africa (Pty.) Ltd., (SOUTH AFRICA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
EMI Corporation, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
H.L.S. Ltd., (ISRAEL)
Hayes General Technology Company Ltd., (ISRAEL)
Lurgi GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Chile Ltda., (CHILE)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
McKee del Plata, S.A., (ARGENTINA)
Davy McKee Engenhairia, S.A., (BRAZIL)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Davy McKee Pacific Pty. Ltd., (AUSTRALIA)
Oil & Fat Consulting, (BELGIUM)
Saudi Davy Company Ltd., (SAUDI ARABIA)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Superior Welding Company, (U.S.A.)

▼ FLAKING & CRACKING EQUIPMENT

Carl G. Brimmekamp & Company, Inc., (U.S.A.) ..... P. 121
Buhler Inc., (U.S.A.) ..... P. 98
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
Metal Products International, Inc., (U.S.A.) ..... P. 125
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
Prater Industries, Inc., (U.S.A.) ..... P. 142
Maschinenfabrik Reinartz GmbH & Co. KG, (GERMANY) ..... P. 109
Automatic Equipment Mfg. Company, (U.S.A.)
Gebrüder Bauermeister & Co., Verfahrenstechnik Gmbh & Co., (GERMANY)
Bauermeister, Inc., (U.S.A.)
Carver, Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Ferrell-Ross, (U.S.A.)
Industrial Metal Products Company, Inc., (U.S.A.)
Insta Pro International, Ltd., (U.S.A.)
Walter Maschinebau GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
Mid-South Metric Components Company, (U.S.A.)
Oil & Fat Consulting, (BELGIUM)
Plant Maintenance Service Corporation, (U.S.A.)
Quadro, Inc., (U.S.A.)
Roskamp-Champion, (U.S.A.)
Schwäbische Hüttenwerke GmbH (SHW), (GERMANY)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Sprout-Bauer, Inc., (U.S.A.)
Step Ltd. STI, (TURKEY)
Witt Corrugating, Inc., (U.S.A.)

▼ FLOW MEASUREMENT

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Abel Manufacturing Company, Inc., (U.S.A.)
Caleb Brett U.S.A., Inc., (U.S.A.)
Chronos Richardson, Inc., (U.S.A.)
Cimbria Unigrain Ltd. A/S, (DENMARK)
CP Instrument Company Ltd., (ENGLAND)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
Elliott Automation Company, Inc., (U.S.A.)
ERDCO Engineering Corporation, (U.S.A.)
The Foxboro Company, (U.S.A.)
Helix Conveyors Ltd., (ENGLAND)
Honeywell, Inc., Industrial Controls Division, (U.S.A.)
Milltronics, Inc., (U.S.A.)
Miura Engineering Company, Ltd., (JAPAN)
Westinghouse Electric Corporation, (U.S.A.)

▼ FORWARDING AGENT

Arrowhead Marketing Services Inc., (U.S.A.)
Oriac International, (CANADA)
W. L. Richeson & Sons, Inc., (U.S.A.)
Schokhi Industrials Pvt. Ltd., (INDIA)
Stone Forwarding Company, Inc., (U.S.A.)
Thionville Laboratories, Inc., (U.S.A.)

▼ FRACTIONATION EQUIPMENT

Campro Agra Limited, (CANADA) ..... P. 113
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM)
De Smet Group, (BELGIUM) ..... P. 105
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)

De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
PT Duta Semesta Mukti, (INDONESIA)
EMI Corporation, (U.S.A.)
Engelmann & Buckham Machinery Ltd., (ENGLAND)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Len E. Ivarson, Inc., (U.S.A.)
Masiero Industrial S.A., (BRAZIL)
Miura Engineering Company, Ltd. (JAPAN)
Oil & Fat Consulting, (BELGIUM)
Pitt-Des Moines, Inc., (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
Step Ltd. STI, (TURKEY)

▼ FREIGHT LINE, BARGE

American Commercial Barge Line Company, (U.S.A.)
Consolidated Grain and Barge Company, (U.S.A.)
CSX Transportation, (U.S.A.)
Lockhart Grain & Fertilizer Company, Inc., (U.S.A.)
Midland Enterprises, Inc., (U.S.A.)
National Marine, Inc., (U.S.A.)
The Ohio River Company & Orgulf Transport Company, (U.S.A.)
Port of Houston Authority, (U.S.A.)
The Valley Line Company, (U.S.A.)

▼ FREIGHT LINE, OCEAN

Arista Industries, Inc., (U.S.A.)
Country Grown Foods, (U.S.A.)
CSX Transportation, (U.S.A.)
Port of Houston Authority, (U.S.A.)
Seaboard Trading Limited, (U.S.A.)
Specialty Grain Company, (U.S.A.)

▼ FREIGHT LINE, RAILROAD COMPANY

Chicago & North Western Transportation Company, (U.S.A.)
Consolicated Rail Corporation (CONRAIL), (U.S.A.)
CSX Transportation, (U.S.A.)
Grand Trunk Western Railroad Company, (U.S.A.)
Kansas City Southern Lines, (U.S.A.)
Norfolk Southern Corporation, (U.S.A.)
Union Pacific Railroad, (U.S.A.)

▼ FREIGHT LINE, TRUCKING

Agmet Metals, Inc., (U.S.A.)
Arista Industries, Inc., (U.S.A.)
Country Grown Foods, (U.S.A.)
A. R. Smith & Company, Inc., (U.S.A.)
Specialty Grain Company, (U.S.A.)
Western-Commercial Transport, Inc., (U.S.A.)

▼ FUMIGANTS

Engelhard Corporation, (U.S.A.)

▼ FUTURES

(See BROKERS, FUTURES)

▼ GRAIN ANALYZERS

C. W. Brabender Instruments, Inc., (U.S.A.)
Bruker Spectrospin Canada Ltd., (CANADA)
Caleb Brett U.S.A., Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cimbria Unigrain Ltd. A/S, (DENMARK)
DICKEY-john Corporation, (U.S.A.)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Neogen Corporation, (U.S.A.)
NIR Systems, Inc., (U.S.A.)
Perstorp Analytical, Inc., (U.S.A.)
Seedburo Equipment Company, (U.S.A.)
Sinar Technology, (ENGLAND)
Trebor Industries Inc., (U.S.A.)
UDY Corporation, (U.S.A.)
Waters Chromatography Division, (U.S.A.)

▼ GRAIN CLEANERS

(See COMMERCIAL GRAIN CLEANERS)

▼ GRAIN DRYERS

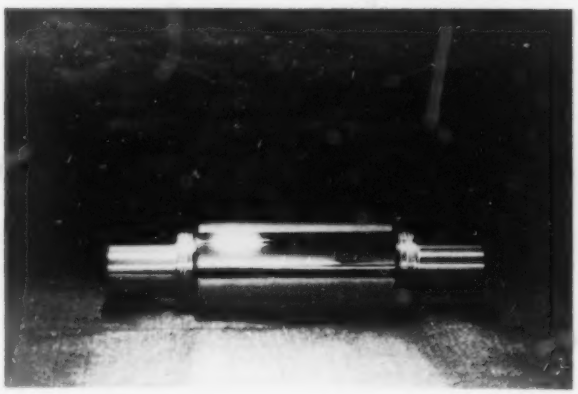
(See DRYERS, GRAIN)

▼ HAMMERMILLS

Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Agra Erectors, Inc., (U.S.A.)
Amandus Kahl Nachf., (GERMANY)
BEPEX, (U.S.A.)
W. C. Cantrell Company, (U.S.A.)
Codema, Inc., (U.S.A.)
Cottor International, (INDIA)
Dabney-Hoover Supply Company, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
Ferrell-Ross, (U.S.A.)
Goodwin Engineering & Trading, Inc., (TAIWAN)
J. L. Horst, Inc., (U.S.A.)
Machinery Supply, Inc., (U.S.A.)
Mercer Engineers, Inc., (U.S.A.)
Quadro, Inc., (U.S.A.)
AB Svegma, (SWEDEN)
Tecnintegral Ltda., (COLOMBIA)

BRIMMEKAMP

THE SOURCE FOR ROLLS



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▼ HEAT EXCHANGERS

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... P. 135
Bean Machines, Inc., (U.S.A.) ..... P. 138, 145
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Cross S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97
APV Crepaco, Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BAR N.A., Inc., (U.S.A.)
CAMECO Industries, Honiron Division, (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cherry-Burrell, (U.S.A.)
Cherry-Burrell, Process Equipment Div., (U.S.A.)
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De Smet Do Brasil S.A., (BRAZIL)
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De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
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De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
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De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
Dedert Corporation, (U.S.A.)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
EMI Corporation, (U.S.A.)
Engelmann & Buckham Machinery Ltd., (ENGLAND)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
General Resource Corp., (U.S.A.)
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Walter Maschinebau GmbH, (GERMANY)
Masiero Industrial S.A., (BRAZIL)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Corporation, (ENGLAND)
Meitar Apartos S.A., (ARGENTINA)
Mercer Engineers, Inc., (U.S.A.)
Miura Engineering Company, Ltd., (JAPAN)
P.A.T.M. Company, (U.S.A.)
Plant Maintenance Service Corporation, (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)
Step Ltd. STI, (TURKEY)
Superior Welding Company, (U.S.A.)
AB Svegma, (SWEDEN)
Tecnintegral Ltda., (COLOMBIA)
Votator, Cherry Burrell Process Eq. Div., (U.S.A.)
Walker Stainless Equipment Company, Inc., (U.S.A.)

▼ HYDRAULIC PRESSES
(See PRESSES, HYDRAULIC)

▼ HYDROGEN GENERATION EQUIPMENT

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
Davy Bamag GmbH, (GERMANY)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
The Electrolyser Corporation Ltd., (CANADA)
Haldor Topsoe A/S, (DENMARK)
Industrial Filter & Pump Manufacturing Company, (U.S.A.)
Lurgi GmbH, (GERMANY)
Miura Engineering Company, Ltd., (JAPAN)
Norsk Hydro Electrolysers, (NORWAY)
Tecnintegral Ltda., (COLOMBIA)

▼ HYDROGENATION CATALYSTS
(See CATALYSTS, HYDROGENATION)

▼ HYDROGENATION EQUIPMENT

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Campro Agra Limited, (CANADA) ..... P. 113
Crown Iron Works Company, (U.S.A.) ..... P. 2
De Smet Group, (BELGIUM) ..... P. 262
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet Process & Technology, Inc., (U.S.A.)
De Smet Rosedowns Ltd., (ENGLAND)
De Smet S.A.I.C., (ARGENTINA)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
EMI Corporation, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Fratelli Gianazza S.p.A., (ITALY)
H.L.S. Ltd., (ISRAEL)
Herzog-Hart Corp., (U.S.A.)
Johnson-Loft Engineers, Inc., (U.S.A.)
Franz Kirchfeld GmbH & Company KG, (GERMANY)
Liquid Filtration Consultants (LFC), (NETHERLANDS)
Lurgi GmbH, (GERMANY)
G. Mazzoni S.p.A., (ITALY)
Davy McKee Corporation, (ENGLAND)
Miura Engineering Company, Ltd., (JAPAN)
Oil & Fat Consulting, (BELGIUM)
Plant Maintenance Service Corporation, (U.S.A.)
Pro-Fab, Inc., (U.S.A.)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)
Votator, Cherry Burrell Process Eq. Div., (U.S.A.)
Wurster & Sanger, Inc., (U.S.A.)

▼ IMPORTERS OF SOYBEANS & SOYBEAN PRODUCTS

Hudson Tank Terminals Corporation, (U.S.A.) ..... P. 263
Agromaule Ltda., (CHILE)
Al-Quadri International, (BANGLADESH)
Alimentos Concentrados Nacionales, S.A. (ALCON), (HONDURAS)
Alimentos S.A., (GUATEMALA)
Andrews Feeds (Malta) Ltd., (MALTA)
Central Soya (France) S.A., (FRANCE)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
CENTROPROM Export-Import, (YUGOSLAVIA)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Chempro (Pty) Ltd., (SOUTH AFRICA)
Chew International, (U.S.A.)

CICAM S.R.L., (ITALY)
CONDIMENTA Dr. E. Rendlen GmbH, (GERMANY)
Country Brand Seeds, Inc., (U.S.A.)
Daily Harvest Manufacturing & Marketing Corp., (PHILIPPINES)
Dindings Soya & Multifeeds Sdn. Berhad, (MALAYSIA)
Dong Bang Corporation, (KOREA, REPUBLIC OF [SOUTH KOREA])
Dunn International, Ltd., (U.S.A.)
Eden Foods, Inc., (U.S.A.)
Fareastam (Chile) Ltd., (CHILE)
Fielder Ralston Proteins Pty., (AUSTRALIA)
Fwu Sow Grain Products Company, Ltd., (TAIWAN)
Gardner Smith Pty. Ltd., (AUSTRALIA)
Generichem Corporation, (U.S.A.)
Goorden N.V., (BELGIUM)
Graines & Huiles Zaden & Olien N.V., (BELGIUM)
GRANEXPORT, Enterprise for the Industry of , (YUGOSLAVIA)
Great Eastern Sun, Inc., (U.S.A.)
Great Wall Enterprise Company Ltd., (TAIWAN)
Grupo Interamericano C.A., (VENEZUELA)
Hoecheong International Trading Company Ltd., (THAILAND)
HRANEXPORT, (BULGARIA)
Industrias J. B. Duarte S.A., (BRAZIL)
Interfood Deutschland GmbH, (GERMANY)
International Proteins Corporation, (U.S.A.)
Interprovincial Cooperative Limited, (CANADA)
Israel Export & Trust Corp., (ISRAEL)
C. Itoh & Company, (America) Inc., (U.S.A.)
C. Itoh & Company, Ltd. (Tokyo), (JAPAN)
Mills Brothers International, Inc., (U.S.A.)
Miratrade International, (CANADA)
Mitoku Company Ltd., (JAPAN)
Mubarakiah Poultry & Feed Company, (KUWAIT)
Nikken Foods Company Ltd., (U.S.A.)
Nissho Iwai American Corporation, (U.S.A.)
Nissho Iwai Corporation, (JAPAN)
NKS Eurotrade (UK) Ltd., (ENGLAND)
Noblee & Theorl GmbH, (GERMANY)
N.V. Oliefabriek Lichtervelde, (BELGIUM)
Opco Industries Ltd., (NEW ZEALAND)
Pagaza & Sons Company, (U.S.A.)
Patum Vegetable Oil Company, Ltd., (THAILAND)
President Enterprises Corp., (TAIWAN)
Resegue Industria e Comercio S.A., (BRAZIL)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
S.I.B. N.V., (BELGIUM)
Schouten Commodities B.V., (NETHERLANDS)
Seaboard Trading Limited, (U.S.A.)
Shree Shiva Shakti Ghee Udyog Pvt. Ltd., (NEPAL)
Skandinavisk Levnedsmiddel Rådgivning A/S, (DENMARK)
Sumitomo Corporation, (JAPAN)
TAGOL S.A., (PORTUGAL)
Transcomércio, Companhia de Comércio Internacional, S.A., (PORTUGAL)
Vitasoy (USA) Inc., (U.S.A.)
Wellens & Company, Inc., (U.S.A.)
Westbrae Natural Foods, (U.S.A.)

▼ INDUSTRIAL PROCESS CONSULTANT

(See CONSULTANTS, INDUSTRIAL PROCESSES)

▼ INFORMATION SERVICES

(See NEWS WIRES, COMMODITY; PUBLICATIONS/ INFORMATIONAL SERVICES)

▼ INSPECTION SERVICES

De Smet Group, (BELGIUM) ..... P. 262
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
A.G.M.E. International Corp., (U.S.A.)
Charles V. Bacon, Inc., (U.S.A.)
Caleb Brett Nederland B.V., (NETHERLANDS)
Caleb Brett U.S.A., Inc., (U.S.A.)
The Core Team, (U.S.A.)
Cottor International, (INDIA)
Curtis & Tompkins Laboratories, (U.S.A.)
Davy Corporation plc., (U.S.S.R.)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet S.A.I.C., (ARGENTINA)
Davy Dravo, (U.S.A.)
PT Duta Semesta Mukti, (INDONESIA)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Food Industry Research & Development Institute, (TAIWAN)
Geo-Chem Laboratories Pvt. Ltd., (INDIA)
Industrial Erectors, Inc., (U.S.A.)
Inspection Services International, (AUSTRIA)
Machinery Supply, Inc., (U.S.A.)
Davy McKee Corporation, (CANADA)
Davy McKee Corporation, (ENGLAND)
Davy McKee Ingenieria, C.A., (VENEZUELA)
Mid Continent Laboratories, Inc., (U.S.A.)
Nippon Yuryo Kentei Kyokai, (JAPAN)
Pro-Fab, Inc., (U.S.A.)
E. W. Saybolt & Company, (U.S.A.)
Schokhi Industrials Pvt. Ltd., (INDIA)
SERVCO S.p.A., (ITALY)
SGS Control Services, Inc., (U.S.A.)
Simons-Conkey, Inc., (U.S.A.)
Simons-Eastern Consultants Inc., (U.S.A.)
Skandinavisk Levnedsmiddel Rådgivning A/S, (DENMARK)
Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)
Joel Wollner & Associates, (U.S.A.)

▼ INSTRUMENTS, INSTRUMENT SYSTEMS

(See CONTROL INSTRUMENTS; AUTOMATIC SAMPLERS; FLOW MEASUREMENT; GRAIN ANALYZERS; MATERIAL LEVEL CONTROLS; MOISTURE TESTERS; QUALITY CONTROL/METAL DETECTION; TEMPERATURE MONITORS; WARNING SYSTEMS)

▼ LIQUID AGITATORS

(See AGITATORS, LIQUID)

▼ LOADING & UNLOADING EQUIPMENT, BARGE

Carl G. Brimmekamp & Company, Inc., (U.S.A.) ..... P. 121
Buhler Inc., (U.S.A.) ..... P. 98
Damman-Croes S.A., (BELGIUM) ..... P. 105
Laidig Industrial Systems, (U.S.A.) ..... P. 148
Agra Erectors, Inc., (U.S.A.)
BBA Group PLC, (ENGLAND)
Caleb Brett U.S.A., Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)

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Stout Industrial, (U.S.A.)
Van Den Berghs & Jurgens Ltd., (ENGLAND)
Van Sickle, Allen & Associates, Inc., (U.S.A.)

▼ LOADING & UNLOADING EQUIPMENT, RAILROAD

Buhler Inc., (U.S.A.) ..... **P. 98**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
Laidig Industrial Systems, (U.S.A.) ..... **P. 148**
Abel Manufacturing Company, Inc., (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
Andritz Spout Bauer, Inc., (U.S.A.)
Behlen Mfg. Company, (U.S.A.)
Caleb Brett U.S.A., Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Chronos Richardson, Inc., (U.S.A.)
Codema, Inc., (U.S.A.)
Dabney-Hoover Supply Company, Inc., (U.S.A.)
Down River International, Inc., Transit Protection Division, (U.S.A.)
Dynequip, Inc., (U.S.A.)
FEECO International, Inc., (U.S.A.)
A. Gusmer, Inc., (U.S.A.)
H & S Systems of Decatur, Inc., (U.S.A.)
The Hance Corporation, (U.S.A.)
Kansas City Southern Lines, (U.S.A.)
Martin Sprocket & Gear, Inc., (U.S.A.)
Neuero Corporation, (U.S.A.)
The Nolan Company, (U.S.A.)
The Rapat Corporation, (U.S.A.)
Schlagel, Inc., (U.S.A.)
Stout Industrial, (U.S.A.)
Van Sickle, Allen & Associates, Inc., (U.S.A.)

▼ LOADING & UNLOADING EQUIPMENT, SHIP

Carl G. Brimmekamp & Company, Inc., (U.S.A.) ..... **P. 121**
Buhler Inc., (U.S.A.) ..... **P. 98**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
Laidig Industrial Systems, (U.S.A.) ..... **P. 148**
Agra Erectors, Inc., (U.S.A.)
BBA Group PLC, (ENGLAND)
Caleb Brett U.S.A., Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Codema, Inc., (U.S.A.)
Davy Dravo, (U.S.A.)
FEECO International, Inc., (U.S.A.)
The Hance Corporation, (U.S.A.)
Martin Sprocket & Gear, Inc., (U.S.A.)
Davy McKee Corporation, (ENGLAND)
Mercer Engineers, Inc., (U.S.A.)
Neuero Corporation, (U.S.A.)
P.A.T.M. Company, (U.S.A.)
The Rapat Corporation, (U.S.A.)
Schlagel, Inc., (U.S.A.)
Stout Industrial, (U.S.A.)
Van Den Berghs & Jurgens Ltd., (ENGLAND)
Van Sickle, Allen & Associates, Inc., (U.S.A.)

▼ LOADING & UNLOADING EQUIPMENT, TRUCK

Buhler Inc., (U.S.A.) ..... **P. 98**
Laidig Industrial Systems, (U.S.A.) ..... **P. 148**
Abel Manufacturing Company, Inc., (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
Behlen Mfg. Company, (U.S.A.)
Caleb Brett U.S.A., Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Chronos Richardson, Inc., (U.S.A.)
Codema, Inc., (U.S.A.)
Dabney-Hoover Supply Company, Inc., (U.S.A.)
Down River International, Inc., Transit Protection Division, (U.S.A.)
Dynequip, Inc., (U.S.A.)
FEECO International, Inc., (U.S.A.)
Ferrell-Ross, (U.S.A.)
A. Gusmer, Inc., (U.S.A.)
H & S Systems of Decatur, Inc., (U.S.A.)
The Hance Corporation, (U.S.A.)
Martin Sprocket & Gear, Inc., (U.S.A.)
Mercer Engineers, Inc., (U.S.A.)
The Nay Company, (U.S.A.)
Neuero Corporation, (U.S.A.)
P.A.T.M. Company, (U.S.A.)
The Rapat Corporation, (U.S.A.)
Schlagel, Inc., (U.S.A.)
Screw Conveyor Corporation, (U.S.A.)
Stout Industrial, (U.S.A.)
Van Den Berghs & Jurgens Ltd., (ENGLAND)
Van Sickle, Allen & Associates, Inc., (U.S.A.)

▼ MARGARINE EQUIPMENT

N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
APV Crepaco, Inc., (U.S.A.)
Cherry-Burrell, Process Equipment Div., (U.S.A.)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
De Smet Process & Technology, Inc., (U.S.A.)
Do-Well Oil Plants Pvt. Ltd., (INDIA)
EMI Corporation, (U.S.A.)
Engelmann & Buckham Machinery Ltd., (ENGLAND)
Len E. Ivarson, Inc., (U.S.A.)
Mannesmann Comercial S/A, (BRAZIL)
Meitar Apartos S.A., (ARGENTINA)
Miura Engineering Company, Ltd., (JAPAN)
Pro-Fab, Inc., (U.S.A.)
Tanaco Products, (U.S.A.)
Votator, Cherry Burrell Process Eq. Div., (U.S.A.)
Wurster & Sanger, Inc., (U.S.A.)

▼ MARGARINE PACKAGING EQUIPMENT

(See SOYFOODS PACKAGING EQUIPMENT & SUPPLIES)

▼ MARKETING CONSULTANT

(See CONSULTANTS, MARKETING)

▼ MATERIAL LEVEL CONTROLS

ASI Instruments, Inc., (U.S.A.)
Bindicator, (U.S.A.)
Bruker Spectrospin Canada Ltd., (CANADA)
Caleb Brett U.S.A., Inc., (U.S.A.)
Carter Manufacturing Company, Inc., (U.S.A.)
Cimbria Unigrain Ltd. A/S, (DENMARK)
CP Instrument Company Ltd., (ENGLAND)
Dabney-Hoover Supply Company, Inc., (U.S.A.)
Down River International, Inc., Transit Protection Division, (U.S.A.)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
Electronic Sensors, Inc., (U.S.A.)
Four-B Elevator Components Ltd., (U.S.A.)
Goodwin Engineering & Trading, Inc., (TAIWAN)
Lakeland Engineering Equipment Company, (U.S.A.)
Walter Maschinebau GmbH, (GERMANY)
Milltronics, Inc., (U.S.A.)
P.A.T.M. Company, (U.S.A.)
Seedburo Equipment Company, (U.S.A.)

Slidell, Inc., (U.S.A.)
Westinghouse Electric Corporation, (U.S.A.)

▼ MEAL DRYERS
(See DRYERS, MEAL)

▼ METAL DETECTION
(See QUALITY CONTROL/ METAL DETECTION)

▼ MILLING EQUIPMENT SUPPLIES, SPARE PARTS & REPAIR

Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Carl G. Brimmekamp & Company, Inc., (U.S.A.) ..... **P. 121**
Buhler Inc., (U.S.A.) ..... **P. 98**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
Metal Products International, Inc., (U.S.A.) ..... **P. 125**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
H. R. Williams Mill Supply Company, (U.S.A.) ..... **P. 130**
Andritz Spout Bauer, Inc., (U.S.A.)
APM Technology Inc., (U.S.A.)
Automatic Equipment Mfg. Company, (U.S.A.)
BAR N.A., Inc., (U.S.A.)
W. C. Cantrell Company, (U.S.A.)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
De Smet S.A.I.C., (ARGENTINA)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
Ferro Corporation, (U.S.A.)
Hayes General Technology Company Ltd., (ISRAEL)
International Reserve Equipment Corp., (U.S.A.)
Jacobson, Inc., (U.S.A.)
Jaymark, Division of Kenscott Ltd., (CANADA)
Kice Industries, Inc., (U.S.A.)
Walter Maschinebau GmbH, (GERMANY)
Mid-South Metric Components Company, (U.S.A.)
Perstorp Analytical, Inc., (U.S.A.)
Carl Aug. Picard GmbH & Company KG, (GERMANY)
C. A. Picard Inc., (U.S.A.)
Quadro, Inc., (U.S.A.)
Reliance Electric Company, (U.S.A.)
Robinson Milling Systems, (U.S.A.)
SERVCO S.p.A., (ITALY)
Siftex Equipment Company, (U.S.A.)
Sprout-Bauer, Inc., (U.S.A.)
Step Ltd. STI, (TURKEY)
Urschel Laboratories, Inc., (U.S.A.)

▼ MIXING EQUIPMENT (DRY)

Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
S. Howes Company, Inc., (U.S.A.) ..... **P. 103**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Agra Erectors, Inc., (U.S.A.)
Andritz Spout Bauer, Inc., (U.S.A.)
APM Technology Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Gebrüder Bauermeister & Co., Verfahrenstechnik Gmbh & Co., (GERMANY)
BEPEX, (U.S.A.)
C. W. Brabender Instruments, Inc., (U.S.A.)
Cottor International, (INDIA)
Dabney-Hoover Supply Company, Inc., (U.S.A.)
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De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
De Smet Espana S.A., (SPAIN)
De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
De Smet Mexico S.A. de C.V., (MEXICO)
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Do-Well Oil Plants Pvt. Ltd., (INDIA)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Dynequip, Inc., (U.S.A.)
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Seedburo Equipment Company, (U.S.A.)
Sinar Technology, (ENGLAND)
Trebor Industries Inc., (U.S.A.)

▼ NEWS WIRES, COMMODITY

Soyatech, Inc., (U.S.A.)..... P. 43, 129
CMA Inc., (U.S.A.)
CTC, North America, Inc., (U.S.A.)
ISTA Mielke GmbH, (GERMANY)
Lockhart Grain & Fertilizer Company, Inc., (U.S.A.)
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The South American News Agency, Inc., (U.S.A.)
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▼ OCEAN FREIGHT LINE
(See FREIGHT LINE, OCEAN)

▼ OCEAN PORT TERMINAL
(See TERMINAL, OCEAN PORT)

▼ OIL DRYERS
(See DRYERS, OIL)

▼ OIL/PROTEIN/FIBER ANALYZERS

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Waters Chromatography Division, (U.S.A.)

▼ ORGANICALLY GROWN SOYBEANS
(See SOYBEANS, ORGANICALLY GROWN)

▼ PACKAGING EQUIPMENT & SUPPLIES
(See SOYFOODS PACKAGING EQUIPMENT & SUPPLIES)

▼ PELLETING EQUIPMENT

Buhler Inc., (U.S.A.) ..... P. 98
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
Agra Erectors, Inc., (U.S.A.)
Amandus Kahl Nachf., (GERMANY)
Andritz Spout Bauer, Inc., (U.S.A.)
BEPEX, (U.S.A.)
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PT Duta Semesta Mukti, (INDONESIA)
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Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
FEECO International, Inc., (U.S.A.)
Ferrell-Ross, (U.S.A.)
Goodwin Engineering & Trading, Inc., (TAIWAN)
J. L. Horst, Inc., (U.S.A.)
International Reserve Equipment Corp., (U.S.A.)
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Step Ltd. STI, (TURKEY)

▼ PHYSICAL REFINING/ NEUTRALIZATION EQUIPMENT
(See REFINING/NEUTRALIZATION EQUIPMENT, PHYSICAL)

▼ PLANT CONSTRUCTION
(See CONSTRUCTION CONTRACTORS, COMPLETE PLANTS; CONSTRUCTION CONTRACTORS, PROTEIN PLANTS)

▼ PRESSES, CONTINUOUS SCREW

Anderson International Corp., (U.S.A.) ..... P. 9
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262

The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
Maschinenfabrik Reinartz GmbH & Co. KG, (GERMANY) ..... P. 109
BAR N.A., Inc., (U.S.A.)
BEPEX, (U.S.A.)
W. C. Cantrell Company, (U.S.A.)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
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J. R. Dykes Sales & Service, Inc., (U.S.A.)
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Ta Ti Hsing Machinery Company, Ltd., (TAIWAN)
Tecnintegral Ltda., (COLOMBIA)

▼ PRESSES, FILTER

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Greco S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... P. 114
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
APM Technology Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
BAR N.A., Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
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Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
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De Smet Engineers & Contractors S.A., (BELGIUM)
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De Smet (Malaysia) Sdn. Bhd., (MALAYSIA)
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De Smet S.A.I.C., (ARGENTINA)
PT Duta Semesta Mukti, (INDONESIA)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
N.V. Extraction De Smet S.A., (BELGIUM)
Extraction De Smet S.A., (COLOMBIA)
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Star Systems, Filtration Division, (U.S.A.)
Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)

▼ PRESSES, HYDRAULIC

De Smet Group, (BELGIUM) ..... P. 262
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
De Smet Engineers & Contractors S.A., (BELGIUM)
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PT Duta Semesta Mukti, (INDONESIA)
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Extraction De Smet S.A., (COLOMBIA)
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▼ PRODUCT DEVELOPMENT

(See CONSULTANTS, PRODUCT DEVELOPMENT)

▼ PROTEIN ANALYZERS

(See OIL/PROTEIN/FIBER ANALYZERS)

▼ PUBLICATIONS/ INFORMATIONAL SERVICES

Soyatech, Inc., (U.S.A.) ..... P. 43, 129
Abel, Daft & Earley, (U.S.A.)
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Richard A. Brock & Associates, (U.S.A.)
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Oils & Fats International Magazine & Directory, (ENGLAND)

See Index On Page 246 For Company Listing Page Numbers

Professional Farmers of America, (U.S.A.)
Roach Ag. Marketing Ltd., (U.S.A.)
Rotterdamsche Margarine Industrie (ROMI) BV, (NETHERLANDS)
SAFRAS & Mercado, (BRAZIL)
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U.S. Department of Agriculture, (U.S.A.)
V. R. B. Enterprises, (U.S.A.)
Vegetarian Times Magazine, (U.S.A.)

▼ PULVERIZING EQUIPMENT

Buhler Inc., (U.S.A.) ..... **P. 98**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Agra Erectors, Inc., (U.S.A.)
Andritz Spout Bauer, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Gebrüder Bauermeister & Co., Verfahrenstechnik Gmbh & Co., (GERMANY)
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▼ RAILROAD COMPANY

(See FREIGHT LINE, RAILROAD COMPANY)

▼ RECYCLERS, SPENT CATALYST

(See SPENT CATALYST RECYCLERS)

▼ REFINING/NEUTRALIZATION EQUIPMENT, CHEMICAL

Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... **P. 114**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
AB Pellerin/Zenith, (SWEDEN)
Atomergic Chemetals Corporation, (U.S.A.)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
De Smet Do Brasil S.A., (BRAZIL)
De Smet Egypt, (EGYPT)
De Smet (Engineering) S.E. Asia Pte. Ltd., (SINGAPORE)
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De Smet Espana S.A., (SPAIN)
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Step Ltd. STI, (TURKEY)
U. S. O. P. Ltd., (HONG KONG)

▼ REFINING/NEUTRALIZATION EQUIPMENT, PHYSICAL

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Campro Agra Limited, (CANADA) ..... **P. 113**
Crown Iron Works Company, (U.S.A.) ..... **P. 2**
De Smet Group, (BELGIUM) ..... **P. 262**
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... **P. 114**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
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EMI Corporation, (U.S.A.)
Equipro Industrial Company Inc., (PHILIPPINES)
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Extraction De Smet S.A., (COLOMBIA)
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Step Ltd. STI, (TURKEY)
Tecnintegral Ltda., (COLOMBIA)
U. S. O. P. Ltd., (HONG KONG)
Wurster & Sanger, Inc., (U.S.A.)

▼ ROASTERS

(See COOKERS/ EXTRUDERS/ROASTERS)

▼ SAMPLERS, AUTOMATIC

(See AUTOMATIC SAMPLERS)

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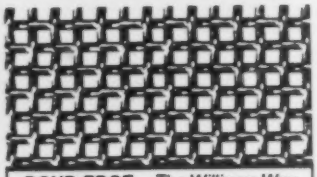

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▼ SANITIZING EQUIPMENT & SUPPLIES

(See CLEANING/SANITIZING EQUIPMENT & SUPPLIES)

▼ SCALES

Buhler Inc., (U.S.A.) ..... **P. 98**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
Abel Manufacturing Company, Inc., (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
Caleb Brett U.S.A., Inc., (U.S.A.)
Chronos Richardson, Inc., (U.S.A.)
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▼ SCREENERS/SCREENING EQUIPMENT

Buhler Inc., (U.S.A.) ..... **P. 98**
Damman-Croes S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
S. Howes Company, Inc., (U.S.A.) ..... **P. 103**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
Prater Industries, Inc., (U.S.A.) ..... **P. 142**
H. R. Williams Mill Supply Company, (U.S.A.) ..... **P. 130**
Adasco, Inc., (U.S.A.)
Andritz Spout Bauer, Inc., (U.S.A.)
APM Technology Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
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▼ SCREENING EQUIPMENT

(See SCREENERS/ SCREENING EQUIPMENT)

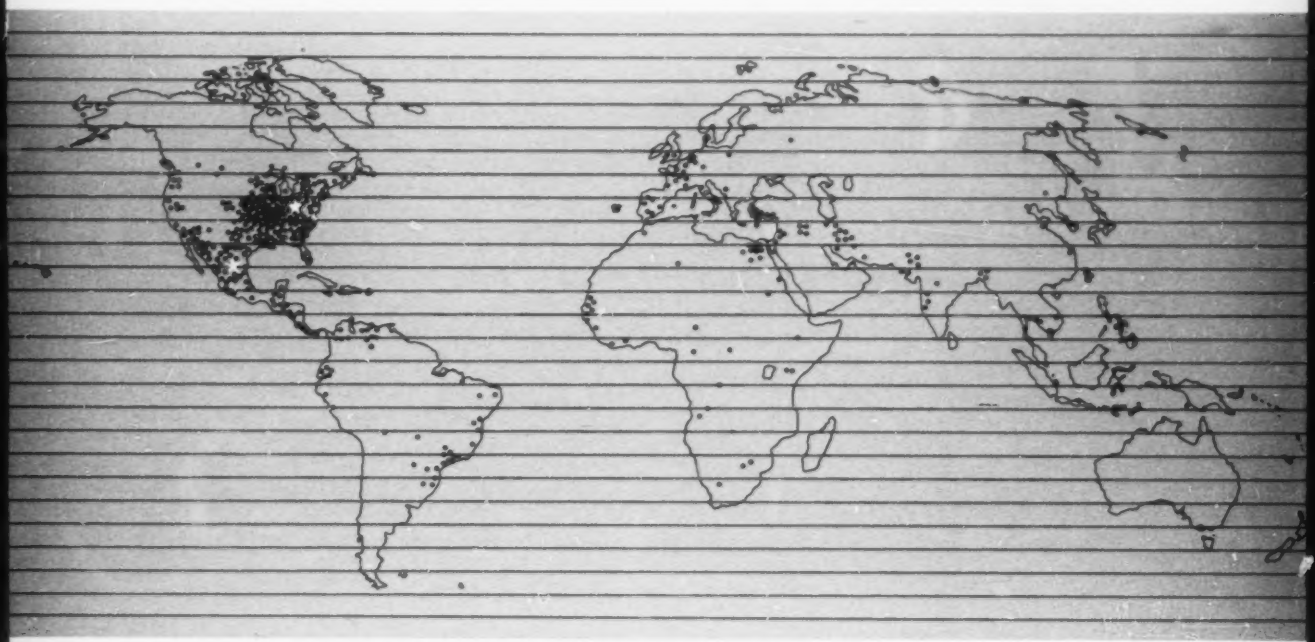
▼ SEPARATORS

(See FAT SPLITTERS/ SEPARATORS)

▼ SHORTENING EQUIPMENT

Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**

Oilseed experience through advanced technology



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▼ SILO STORAGE
(See ELEVATOR & SILO STORAGE)

▼ SOAPSTOCK EQUIPMENT

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Campro Agra Limited, (CANADA) ..... **P. 113**
De Smet Group, (BELGIUM) ..... **P. 262**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Chemfood Engineering Pvt. Ltd., (INDIA)
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▼ SOLVENT EXTRACTION DISTILLATION EQUIPMENT

Crown Iron Works Company, (U.S.A.) ..... **P. 2**
Damman-Cross S.A., (BELGIUM) ..... **P. 105**
De Smet Group, (BELGIUM) ..... **P. 262**
The French Oil Mill Machinery Company, (U.S.A.) ..... **P. 131**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
N. Hunt Moore & Associates, (U.S.A.) ..... **P. 97**
APM Technology Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Artisan Industries, Inc., (U.S.A.)
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
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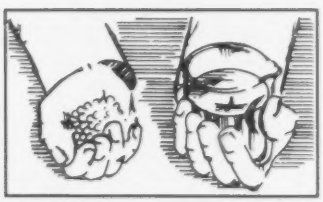

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▼ SOLVENT EXTRACTION EQUIPMENT

Crown Iron Works Company, (U.S.A.) ..... P. 2
Damman-Croes S.A., (BELGIUM) ..... P. 105
De Smet Group, (BELGIUM) ..... P. 262
The French Oil Mill Machinery Company, (U.S.A.) ..... P. 131
Krupp Maschinentechnik GmbH, (GERMANY) ..... P. 261
N. Hunt Moore & Associates, (U.S.A.) ..... P. 97

APV Crepaco, Inc., (U.S.A.)
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▼ SOLVENT RECOVERY CONDENSERS

(See CONDENSERS, SOLVENT RECOVERY)

▼ SOLVENTS

Phillips 66 Company, (U.S.A.) ..... **P. 132**
Arrowhead Marketing Services Inc., (U.S.A.)
Basic Products Group, Inc., (U.S.A.)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Cottor International, (INDIA)
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KELSA, S.A., (SPAIN)
Tecnintegral Ltda., (COLOMBIA)
Texaco Chemical Company, (U.S.A.)

▼ SOLVENT VAPOR DETECTION & CONTROL

Crown Iron Works Company, (U.S.A.) ..... **P. 2**
De Smet Group, (Belgium) ..... **P. 262**
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
Cottor International, (INDIA)
De Smet Rosedowns Ltd., (ENGLAND)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
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▼ SOY PROTEIN EQUIPMENT & SUPPLIES

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... **P. 135**
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... **P. 135**
Bean Machines, Inc., (U.S.A.) ..... **P. 138, 145**
APV Crepaco, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
Charles B. Chrystal Company, Inc., (U.S.A.)
Cottor International, (INDIA)
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SKET - Schwermaschinenbau-Kombinat Ernst Thälmann, (GERMANY)

▼ SOYBEAN BREEDER

Strayer Seed Farms, (U.S.A.) ..... **P. 151**
H. J. Underwood Company, Inc., (U.S.A.) ..... **P. 133**
Abripro Biosciences Inc. (ABI), (U.S.A.)
Callahan Enterprises, Inc., (U.S.A.)
Country Brand Seeds, Inc., (U.S.A.)
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▼ SOYBEAN SEED SUPPLIER

Strayer Seed Farms, (U.S.A.) ..... **P. 151**
H. J. Underwood Company, Inc., (U.S.A.) ..... **P. 133**
Abripro Biosciences Inc. (ABI), (U.S.A.)
Brown Seed Enterprises, (U.S.A.)
Callahan Enterprises, Inc., (U.S.A.)
Country Brand Seeds, Inc., (U.S.A.)
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▼ SOYBEANS

(See EXPORTERS OF SOYBEANS & SOYBEAN PRODUCTS; IMPORTERS OF SOYBEANS & SOYBEAN PRODUCTS; SOYBEAN BREEDER; SOYBEAN SEED

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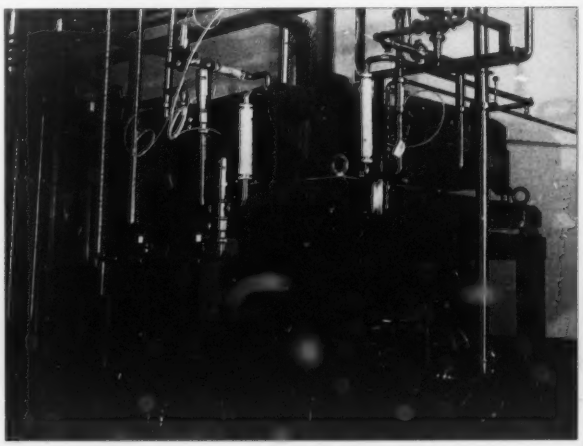

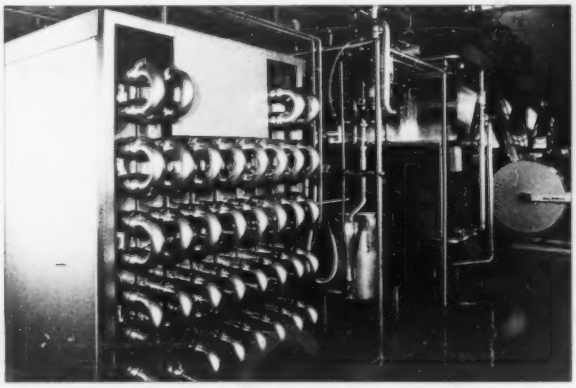

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▼ SOYBEANS, FOOD USE

Identity Seed & Grain Company, (U.S.A.) ..... **P. 136**
Minnesota Waxy, (U.S.A.) ..... **P. 55**
Mycal Group, Nichii Company of America, (U.S.A.) ..... **P. 35, 56, 149**
Strayer Seed Farms, (U.S.A.) ..... **P. 151**
H. J. Underwood Company, Inc., (U.S.A.) ..... **P. 133**
Aceites Industriales El Zapote, (MEXICO)
Brown Seed Enterprises, (U.S.A.)
Central Soya Overseas B.V., Chemurgy Div., (NETHERLANDS)
Chempro (Pty) Ltd., (SOUTH AFRICA)
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Toyomenka (America), Inc., (U.S.A.)

▼ SOYBEANS, ORGANICALLY GROWN

Minnesota Waxy, (U.S.A.) ..... **P. 55**
Strayer Seed Farms, (U.S.A.) ..... **P. 151**
Brown Seed Enterprises, (U.S.A.)
Country Grown Foods, (U.S.A.)
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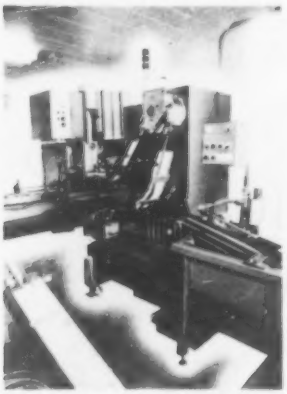

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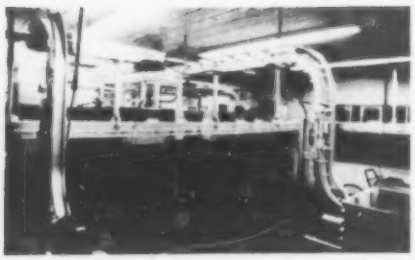

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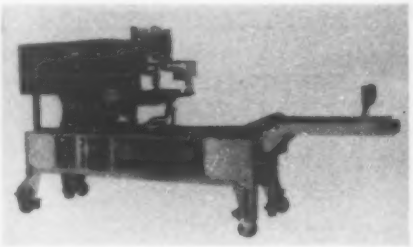

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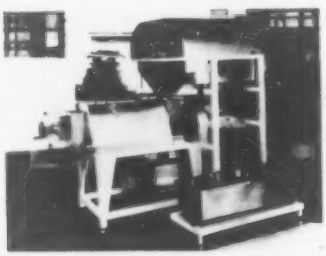

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(See SOYMILK & TOFU EQUIPMENT & SUPPLIES)

▼ SOYFOODS PACKAGING EQUIPMENT & SUPPLIES

Bean Machines, Inc., (U.S.A.) ..... P. 138. 145
Kawanishi Shoko Company Ltd. (JAPAN) ..... P. 139
Kawanishi Shoko Company, Ltd., (U.S.A.) ..... P. 139
Sato & Company, Ltd., (JAPAN) ..... P. 137, 150
Takai Tofu & Soymilk Equipment Company, (JAPAN) ..... P. 140
APV Crepaco, Inc., (U.S.A.)
Autoprod, Inc., (U.S.A.)
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Slidell, Inc., (U.S.A.)

▼ SOYMILK & TOFU EQUIPMENT & SUPPLIES

Alfa-Laval Food Engineering A.B., (SWEDEN) ..... P. 135
Alfa-Laval South East Asia Pte. Ltd., (SINGAPORE) ..... P. 135
APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
Bean Machines, Inc., (U.S.A.) ..... P. 138, 145
Kawanishi Shoko Company Ltd. (JAPAN) ..... P. 139
Kawanishi Shoko Company, Ltd., (U.S.A.) ..... P. 139
Mycal Group, Nichii Company of America, (U.S.A.) ..... P. 35, 56, 149
Sato & Company, Ltd., (JAPAN) ..... P. 137, 150
Takai Tofu & Soymilk Equipment Company, (JAPAN) ..... P. 140
APV Crepaco, Inc., (U.S.A.)
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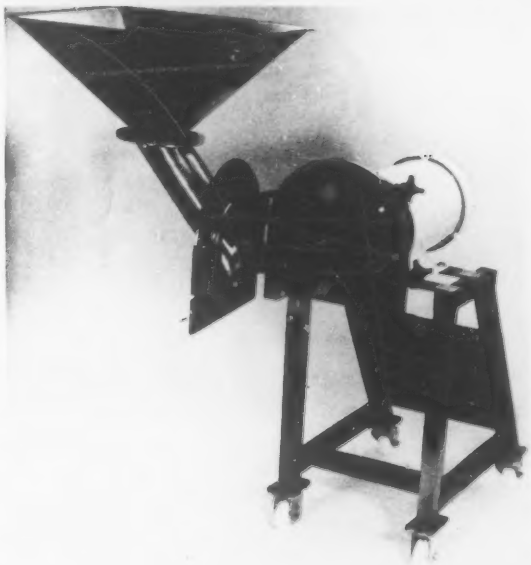

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Hudson Tank Terminals Corporation, (U.S.A.) ..... **P. 263**
Bartlett and Company, (U.S.A.)
Louis Dreyfus Corp., (U.S.A.)
Houston Tank Storage Company, (U.S.A.)
International Proteins Corporation, (U.S.A.)
Norfolk Oil Transit, Inc., (U.S.A.)

▼ SURVEYS
(See WEIGHING SERVICES & SURVEYS)

▼ TANKS, CRUDE OIL STORAGE

De Smet Group, (BELGIUM) ..... **P. 262**
S. A. Fractionnement Tirtiaux, (BELGIUM) ..... **P. 114**
Krupp Maschinentechnik GmbH, (GERMANY) ..... **P. 261**
Bag Yaglari Sanayi ve Ticaret T.A.S., (TURKEY)
Cereol Iberica, S.A. (Kelsa), (SPAIN)
Costruzioni Meccaniche Bernardini S.p.A., (ITALY)
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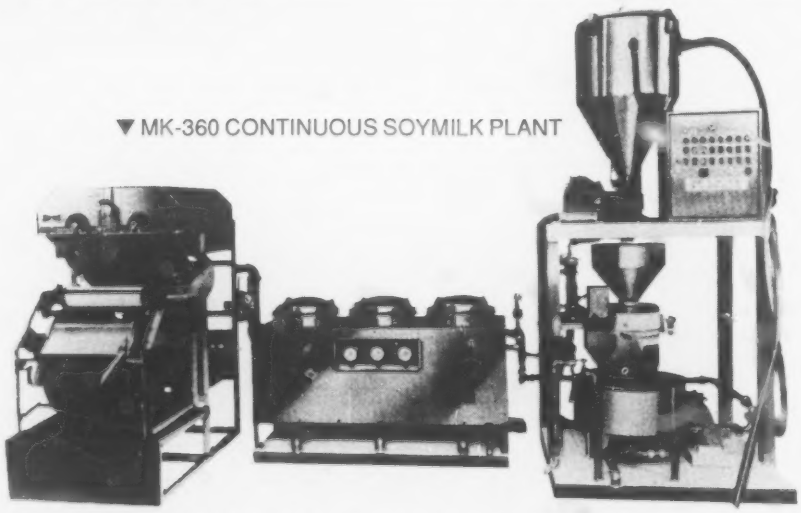

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Hudson Tank Terminals Corporation, (U.S.A.) ..... P. 263
Alabama State Docks Public Grain Export Elevator, (U.S.A.)
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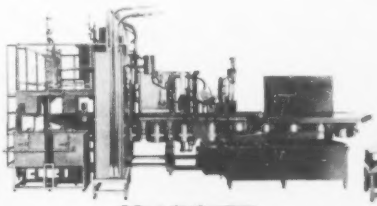

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▼ U.S. INTERIOR PORT

(See TERMINAL, U.S. INTERIOR PORT)

▼ USED EQUIPMENT

Bean Machines, Inc., (U.S.A.) ..... P. 138, 145
Adasco, Inc., (U.S.A.)
Agra Erectors, Inc., (U.S.A.)
BAR N.A., Inc., (U.S.A.)
W. C. Cantrell Company, (U.S.A.)
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(See STORAGE, BULK LIQUID; TERMINAL, OCEAN PORT; TERMINAL, U.S. INTERIOR PORT)

▼ WARNING SYSTEMS

Prater Industries, Inc., (U.S.A.) ..... P. 142
Bindicator, (U.S.A.)
Cimbria Unigrain Ltd. A/S, (DENMARK)
J. R. Dykes Sales & Service, Inc., (U.S.A.)
Four-B Elevator Components Ltd., (U.S.A.)
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▼ WASTE WATER TREATMENT EQUIPMENT

American Colloid Company, (U.S.A.) ..... P. 144
APV DTD, Soya Technology Division, (DENMARK) ..... P. 264
De Smet Group, (BELGIUM) ..... P. 262
Laidig Industrial Systems, (U.S.A.) ..... P. 148
Andritz Spout Bauer, Inc., (U.S.A.)
APM Technology Inc., (U.S.A.)
APV Crepaco, Inc., (U.S.A.)
Artisan Industries, Inc., (U.S.A.)
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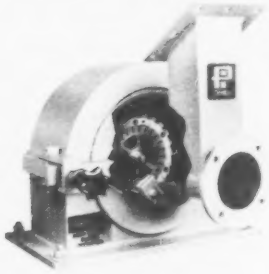
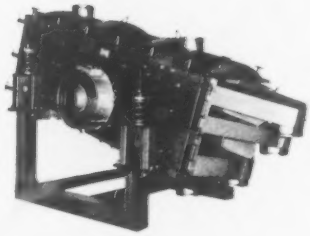
Geo-Chem Laboratories Pvt. Ltd., (INDIA)
Mid Continent Laboratories, Inc., (U.S.A.)
Nippon Yuryo Kentei Kyokai, (JAPAN)
Ohaus Corporation, (U.S.A.)
E. W. Saybolt & Company, (U.S.A.)
Schokhi Industrials Pvt. Ltd., (INDIA)
SGS Control Services, Inc., (U.S.A.)
Weigh-Tronix, Inc., (U.S.A.)

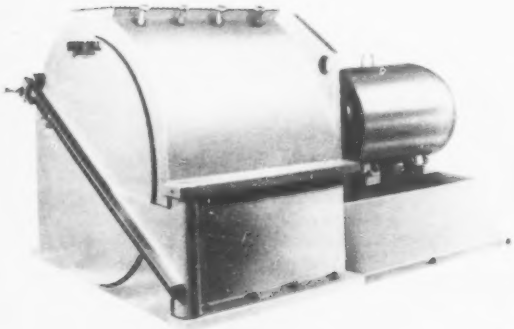
Heavy duty soybean processing equipment that continues to build our reputation for years of round-the-clock production reliability.



PREMA® FINE GRINDING MILLS
Fine grinds soybean, white flakes, high protein concentrate and isolates down to low micron sizes. Separate or attached air classifiers also available.

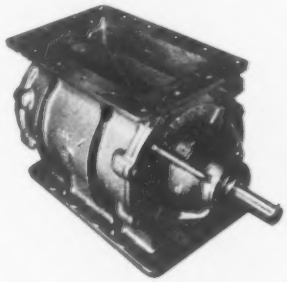
PRATER® VIBRATING SCREENS
One, two or three decks for bean cleaning, dehulling and meal screening.





PRATER® MEGA MILL
The future of hammermilling is here today. Energy efficient, smoother running, cleaner to operate, quieter and easier to service than conventional hammermills! Shorter shaft and bearing arrangement means less wear and vibration. Savings from dramatically reduced downtime, maintenance and power requirements pay for the unit in a short time. Meets a variety of applications. Full Screen® and Dual Screen® Hammermills are also available for customers who need conventional hammermills.

PRATER® HEAVY DUTY AIRLOCKS
Prater Airlocks are designed with the maintenance man in mind. Over 25,000 have been sold for bulk feeding and dust collector use.



FLAKER MILLS
For high capacity flaking of soybeans, rapeseed, cottonseed, sunflower seed and other oilseeds.

Oilseed processing is a Prater specialty. A pioneer in the industry, there is Prater equipment in almost every oilseed plant in the United States, Canada and many other countries. That's because Prater builds a wide range of processing equipment that can be tailored to your specific application needs and meet your high capacity requirements. Most importantly—we build processing equipment to last.

Call or write us for further information and free literature.

A U.S. owned and operated company specializing in size reduction, metering and separation, agglomeration and computerized controls for over 60 years.

Prater Industries, Inc.

One of the Associated Prater Companies
1515 South 55th Court
Chicago, IL 60650
Phone: 708-656-8500
Fax: 708-656-8576 Telex: 28-4312

Guide To:
Equipment, Supplies and Services

Catalog Pages — Alphabetical By Company

Product Sheet

CLARION Adsorbent Systems

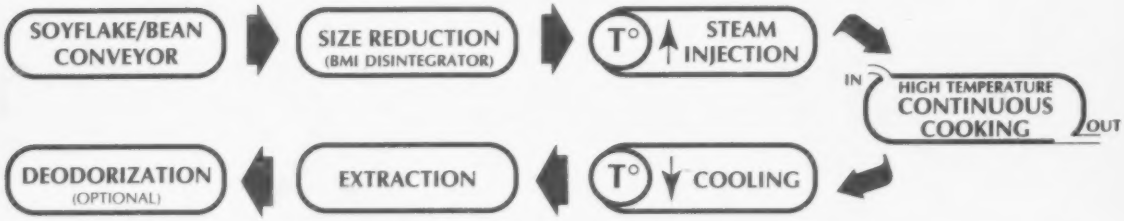
Clarion Grade	General Description	Functional Use
470	An acid activated bleaching earth for use in stocks requiring a high degree of color removal, particular green and red colors.	Decolorization of all edible oils including canola, soya, cottonseed, corn, linseed, palm, coconut, and safflower.
470 Super-Activity	A high efficiency acid activated bleaching earth for use in stocks requiring a high degree of color removal with a reduced dosage.	Highly efficient decolorization of all edible oils including canola, soya, cottonseed, corn, linseed, palm, coconut, and safflower.
470 Super-Flo	A high filtration acid activated bleaching earth for broad spectrum decolorization and purification.	Efficient decolorization of all vegetable and animal fats. Body feed can be greatly reduced or eliminated with 470 Super-Flo.
550	An ultra-high efficiency acid activated bleaching earth produced from a specialty base material.	This product is for use in high chlorophyll stocks. 550 has a high affinity for chlorophyll and secondary oxidative by-products.
475	A specially blended acid activated bleaching earth with good color removal character and high efficiency on nickel clean-up (post-hydro).	For use on all triglyceride stocks; provides reduced required dosage due to the high affinity 475 has for nickel.
C	Specialty adsorbent for use in cleaning up trace nickel in post hydrogenation filtration.	Nickel scavenging in all organic hydrogenation processes, exhibiting ease of filtration and selective adsorbtion.

AMERICAN COLLOID COMPANY

1500 W. Shure Drive • Arlington Heights, IL 60004-1434 • (708) 392-4600 • Fax (708) 506-6199

BMI
Continuous Cooking System
FOR BLAND OR BEANY SOYMILK

Featuring the **BMI Disintegrator**
World's Finest Stainless Steel Hammermill, USDA Approved



Each System is custom designed to meet your needs and to be integrated with your existing equipment

SIMPLE • SANITARY • MAINTENANCE-FREE

Features	Benefits
Simple Design	Virtually Labor & Maintenance Free
C.I.P. (Clean in Place)	Sanitary, Labor Saving
Modular Design	Easily & Inexpensively Expandable
Variable Speed	Easily Regulated Cooking Time
	Easily Regulated Cooking Temperature (212°F to over 290°F)

The **BMI Continuous Cooking System** is also available, combined with compatible pieces of equipment, as an **automated Soymilk System** at a surprisingly reasonable price.

Written quotations on request, please write:

Bean Machines, Inc. • P.O. Box 2122 • Mill Valley • CA 94942
or Call: 415-285-9411 or Cable: BMITOFU • San Francisco • CA

Bean Machines, Inc.

AMERICA'S MOST TRUSTED SUPPLIER OF SOYMILK EQUIPMENT SINCE 1977

MALLINCKRODT SPECIALTY CHEMICALS COMPANY
CALSICAT
1707 Gaskell Avenue
Erie, Pennsylvania 16503
814/870-3900 FAX: 814/456-7686

CATALYST DATA SHEET

NICKEL DROPLETS

Code E-472D and Code E-428D are precipitated nickel catalysts on modified kieselguhr supports, dry-reduced, and suspended in a protective medium of hardened soya. The catalysts are supplied as free-flowing droplets for safe and easy handling. After dissolution of the protective medium, the catalysts are extremely active for the hydrogenation of edible and inedible oils and fatty acids. The catalysts also have good filtration characteristics for easy separation from the reaction products.

E-472D Nominal Composition		**E-428D Nominal Composition**	
Nickel	25%	Nickel	22%
Support	12%	Support	23%
Protective meduium	Balance	Protective meduium	Balance

Suggested Uses:

E-472D

Selective hydrogenation of edible oils such as soybean oil, canola oil and corn oil for production of salad oils, cooking oils, margarines, and shortenings. This catalyst is also very active for production of hydrogenated coconut oil and palm kernel oil.

E-428D

Hydrogenation of fatty acids and edible or inedible oils where excellent activity is desired without selectivity considerations. Applications include production of fully hydrogenated fatty acids, coconut oil, palm kernel oil, and stearine.

Shipping Data:

Packaged in 55-gallon steel drums, 375 lbs. net per drum.

f.o.b. Erie, Pennsylvania

Versatile

TriSyl® Silica Refining™ gives you the **right tool** to solve the variety of problems you face today:

- ■ Product Quality
- ▲ Process Flexibility
- ● Environmental/Regulatory Issues
- ■ Safety
- ▲ Economics

TriSyl Silica Refining—the **right tool** for your problems.

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301-659-9141
and outside MD 1-800-638-0670
FAX 301-659-9213
Telex #198138 (GRACE BAL)

Europe, Worms, Germany
49 (6241) 403.0
Telex #467724 (GRACE D)

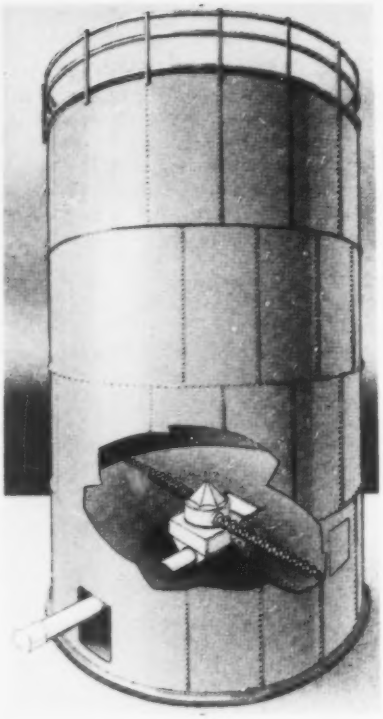
Far East, Hong Kong
852 (5) 243-192
Telex #73663 (DAREX HX)

South America, Brazil
(55) 11-832-1288
FAX (55) 11-832-2058

TriSyl

GRACE

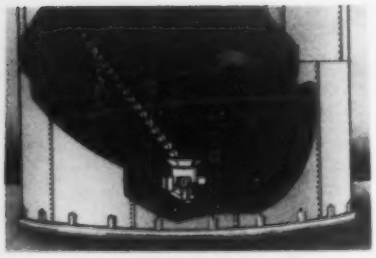
- Soybean Meal
- Corn Gluten
- Cotton Seed
- Feather Meal
- Meat Meal
- Whole Grains



LAIDIG ... Performance you can depend on!

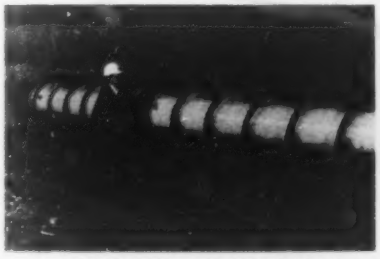
- In New Laidig Storage Systems
- As a Retrofit in
  - Round Tanks
  - Square Tanks
  - Flat Storage Areas
- In Process Metering

LAIDIG



HOPPER BIN UNLOADER

* Bridge Breaker
* First-In, First-Out
* Inventory Control
* Heavy Duty Sweep Augers, Not Just A Bin Sweep
* Continuous Flow



LARGE VOLUME APPLICATIONS

LAIDIG

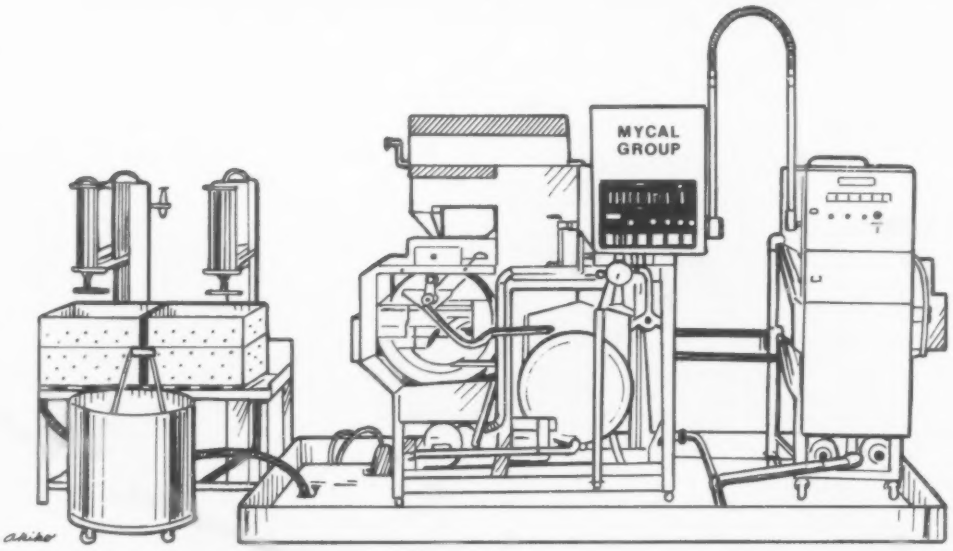
The Advanced Solution To Age Old Reclaiming Problems

L.I.S.
LAIDIG INDUSTRIAL SYSTEMS

L.I.S. CORPORATION
14535 DRAGOON TRAIL
MISHAWAKA, IN 46544
(219) 256-0204

BULK HANDLING / SILO RECLAIMERS

Introducing the world's smallest tofu and soy milk plant.



THE SYSTEM
Making Tofu and Soy Milk
Using *MicroSoy flakes*™
And the MCG-915

TOTAL SPACE REQUIREMENTS:
Soy Milk System: 77 sq ft (7.2 sq meters)
Tofu System: 87 sq ft (8.1 sq meters)

SYSTEM COMPONENTS:
SOY MILK
MicroSoy flakes™ Hopper/Mixer
Height: 74″ 1.8m Depth: 44″ 1.1m Width: 71″ 1.8m

Cooker/Roller Extractor
Height: 65″ 1.7m Depth: 34″ .9m Width: 52″ 1.3m

TOFU
(same as soy milk system, with the addition of:)
Curdling Barrel
(30 gallon stainless steel)

Press/Forming Boxes (2 each)
Height: 62″ 1.6m Depth: 27″ .7m Width: 43″ 1.1m

OUTPUT PER HOUR:
Soy Milk: 63.4 gallons (240 liters)
Tofu: 350 pieces, 14.1 oz each (400 grams)
309 lbs (139 kg)

(NOTE: Soy milk system does not include bottling system. Tofu system does not include the cooling tanks and packaging system. Boiler not included in either system.)

If you're just starting a tofu or soy milk plant, or if you're planning to modernize or expand an existing plant, we think you should consider starting with the world's smallest tofu and soy milk plant. It's called the MCG-915.

It processes *MicroSoy flakes*™—the world's most efficient way to produce tofu and soy milk. And because *MicroSoy flakes*™ require no washing, rinsing, soaking, grinding or sanitizing of millstones, you can eliminate all that excess machinery. Saving all that excess floor space. And all those excess costs.

So now a very modest investment can yield very big returns.

Tofu and soy milk can be made from OCIA-organic, Better-Life™ or non-organic *MicroSoy flakes*.™

Introduce yourself to the world's smallest, most efficient tofu and soy milk manufacturing plants. Just call Al Richardson or Pamela Ochoa at (213) 791-0010. Or fax them at (213) 791-0018. And ask for more information on the MCG-915 (or the smaller capacity MCG-918). They'd be glad to show you how beautiful small can be.

nichii company of america, inc.

MYCAL
GROUP

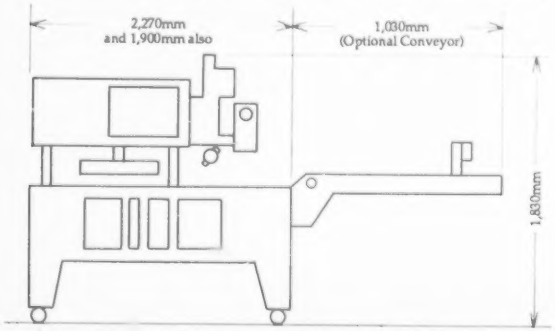
- Capable of sealing 2,000 - 3,000 packages/hour with continuous conveyor drive system, yet machine has compact design.
- Perfect sealing is assured by box-motion sealing system with double heat sealers.

TRAY SEALER ST-3000 US

MODEL ST-3000 US "PACK ACE"

For Packaging of

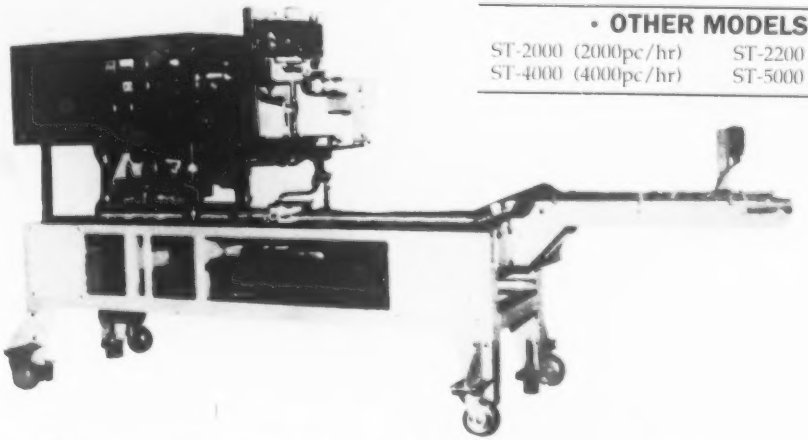
Tofu, Shellfish, Seafood, Cooked Food, Cooking Materials, Desserts, Sprouts, Pet Foods, etc.



- The base and holders for the driving unit are cast together for consistent sealing over a long time.
- Large diameter roller chains are used under sealing positions to withstand the strong sealing pressure.
- A torque-limiter is employed to protect the driving unit from damage when any excess force is applied.
- Designed for safety with plastic covers surrounding sealing unit, sealers always stop at highest point, limit stop switches, etc.

• OTHER MODELS •

ST-2000 (2000pc/hr)	ST-2200 (2000pc/hr)
ST-4000 (4000pc/hr)	ST-5000 (5000pc/hr)



STANDARD SPECIFICATIONS

Sealing system: Box-motion heat sealing with double sealers
Sealing speed: 2,000 - 3,000 packages/hour
Dimensions: Length .....2,270 mm
Width .....700 mm
Height .....1,830 mm
Weight: 900 kg
Electric power: 2.0 KW - 220 V, 3 Phase
Film eye-mark setting: Optical sensor

PACKAGING MATERIALS

Polyethylene, Polypropylene, Polystylene, PVC,
Laminated materials with above material,
Easy peeling types, etc.

OPTIONAL ACCESORIES

Tray feeders, Tray stockers, Fillers, Date printers, Double film bobbins, Double Sealing Auto-film splicers, Auto-seal starters, etc.

Distributed by:

NOSAWA NEW YORK, INC.

EMPIRE STATE BLDG., ROOM 7616
350 FIFTH AVENUE, NEW YORK, NY 10118
TEL.: (212)594-3323, TELEX: 234690
FAX: (212)563-0072

Manufactured by:

SATO & CO., LTD.

3-33-9, NAKANO, NAKANO-KU, TOKYO 164
TEL.: (03)382-0761, FAX: (03)384-9313
TELEX: 2323261 (JAPAN)
FACTORIES: YOKOHAMA, CHIBA

FOOD - QUALITY SPECIALTY SOYBEANS

THE STRAYER SEED FARMS COMMITMENT

Strayer Seed Farms is committed to a better life through better seeds and ultimately better food.

We are a family-owned business which has produced soybeans since 1912 and food-quality specialty soybeans since 1936.

We provide a consistent source of genetically-improved, food-quality specialty soybeans grown under our careful management by experienced soybean growers on the richest, natural soils for high-quality soyfood producers.

Our soybeans are tested for exact standards of moisture, cleanliness, size, and food-quality and are supported by sound advice, fair prices, prompt delivery, and consistent quality.

FOOD - QUALITY SPECIALTY SOYBEAN VARIETIES

Food-quality specialty soybeans varieties with desirable compositional and physical characteristics are developed to suit specific soyfood products. Compositional characteristics such as protein and oil greatly affect the way soybeans will work in the food production process. Physical characteristics such as seed size and seedcoat thickness also affect soyfood production.

Since soyfood products can be affected greatly by different compositional patterns and physical characteristics, we help high-quality soyfood producers recognize which food-quality specialty soybean varieties meet their specific needs. Recent laboratory testing procedures and evaluation studies have helped us identify many of these varietal differences.

SPECIFIC FOOD - QUALITY SPECIALTY SOYBEAN VARIETIES

Since high-quality soyfood producers have specific processes designed for specific soyfood products, we produce 12 specific food quality specialty soybean varieties offering a wide selection for use in soyfood production.

SOYMILK	Four varieties with good solids content, protein content, and ranging in viscosity from standard to thick.
TOFU	Four exceptionally high protein varieties for high quality tofu ranging from soft to firm.
TEMPEH	Three varieties with uniform size, thin seedcoats, and correct moisture to facilitate splitting and dehulling.
MISO	Two large-seeded varieties with 1600-1800 seeds and thin seedcoats.
NATTO	A spherical variety with 5400 seeds per pound and high in carbohydrates.
SPROUTING	Four varieties ranging in seed size from 2400-5400 seeds per pound with vigorous sprout development.
SOY SAUCE	Three varieties high in nitrogen with various other characteristics for a choice of end products.

STRAYER SEED FARMS, INC.

162 WEST HWY 56
HUDSON, IOWA 50643 USA

TELEPHONE 319-988-4187
FAX 319-988-3922

IOWA WATS 800-772-2958
USA WATS 800-728-4187

— Notes / Address Changes —

Guide To:
Equipment, Supplies and Services

Yellow Pages - Companies Listings, A-Z, By Country

COUNTRY INDEX

Argentina 154
Australia 154
Austria 154
Bangladesh 154
Belgium 154
Brazil 156
Bulgaria 156
Canada 156
Chile 158
China, People's Republic of 158
Colombia 158
Denmark 158
Egypt 159
England 159
France 160
Germany 161
Guatemala 162
Honduras 162
Hong Kong 162
Hungary 162
India 162
Indonesia 164
Israel 164
Italy 164
Japan 165
Korea, Republic of (South Korea) 166
Kuwait 166
Malaysia 166
Malta 166
Mexico 167
Nepal 167
Netherlands 167
New Zealand 168
Norway 168
Philippines 168
Portugal 169
Saudi Arabia 169
Singapore 169
South Africa 169
Spain 169
Sweden 170
Switzerland 170
Taiwan 170
Thailand 171
Turkey 171
United Soviet Socialist Republic (U.S.S.R.) 171
United States of America (U.S.A.) 171
Venezuela 196
Yugoslavia 196

ARGENTINA

De Smet S.A.I.C. ★★
Affiliate of Compagnie Financière De Smet S.A.
Carlos Pellegrini 961, 2º Piso, Buenos Aires 1009, ARGENTINA; PH: 54/1/111-1267; FAX: 54/1/311-8897; TLX: 22519 (DESMET AR).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: Mario Rataus, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

McKee del Plata, S.A.
Alsino 633-30 Piso, Buenos Aires 1384, ARGENTINA; PH: 9/302050 or 9/347096 or 9/344610; TLX: 21958.
CONTACT: H. M. Ferrero
Solvent extraction equipment; flake desolventizers, flash/vapor, normal; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

Meltar Apartos S.A.
Av. Aristobulo del Valle 7090, Santa Fe 3000, ARGENTINA; PH: 54/42/60126; TLX: 48204 (MASA AR).
CONTACT: Juan Carlos Gomez
Solvent extraction distillation equipment; fatty acid distillation equipment; heat exchangers; margarine equipment; shortening equipment; construction contractors, complete plants.

AUSTRALIA

Byron Agricultural Company Pty. Ltd.
19A Boundary Street, P.O. Box 520, Kings Cross 2011, N.S.W., AUSTRALIA; PH: 61/2/361-0671; FAX: 61/2/360-3729.
CONTACT: Dr. David A. Lewis, Man. Dir.
Consultants, industrial processes, product development; contract research (pilot scale).

Elders QGGA Grain Pty. Ltd.
Affiliate of Elders IXL
Graingrowers Building, 123 Margaret Street, P.O. Box 705, Toowoomba 4350, Queensland, AUSTRALIA; PH: 613/076/38-3588; FAX: 076/38-4872.
CONTACT: Howard Colbert, Gen. Mgr.
Trading company; supplier of soybeans for food use; EXPORTER: Edible soybeans.

Fielder Ralston Proteins Pty. ★
Affiliate of Protein Technologies International
335 Plummer Street, Port Melbourne 3207, Victoria, AUSTRALIA; PH: 61/3/646-6300; FAX: 61/3/646-6601; TLX: 33218 (FELP AA).
Other Offices: Leichhardt, AUSTRALIA
CONTACT: J. Michael Rudd, Man. Dir.
IMPORTER: Isolated soy proteins & Fibrim soy fiber.

Gardner Smith Pty. Ltd.
P.O. Box 606, Neutral Bay Junction 2089, N.S.W., AUSTRALIA; PH: 02/909-2222; FAX: 02/909-8340 or 8691; TLX: (AA) 120824.
CONTACT: Peter Shearman, Veg. Oil Mgr.
Trading company; supplier of soybeans for food use; EXPORTER: Soyabean meal; soyabean flour; IMPORTER: Soyabean meal.

Davy McKee Pacific Pty. Ltd.
Affiliate of Davy McKee Corp.
201-217 Fitzroy Street, P.O. Box 2255, St. Kilda West 3182, Victoria, AUSTRALIA; PH: 536-3444; FAX: 537-2410; TLX: 30094.
CONTACT: J. Bradley
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

AUSTRIA

Inspection Services International ★
Pyrkergasse 29, Vienna A-1190, AUSTRIA; PH: 43/222/369-2117; FAX: 43/222/369-211775; TLX: 131071 (BCL A).
Inspection services.

BANGLADESH

Al-Quadri International ★
356, North Shahjahanpur
P.O. Shantinagar, Dhaka, BANGLADESH; PH: 880/2/416081; FAX: 880/2/833495 (Attn: Alquadri); TLX:671201 (TBCLBJ).
CONTACT: C. A. Zaman
EXPORTER: Degummed crude soybean oil; crude soybean oil; edible soybean oil; IMPORTER: Degummed crude soybean oil; crude soybean oil; edible soybean oil.

BELGIUM

N.V. Cottry & Company S.A. ★★
Marktplein 16, Wijnegem B-2110, Antwerpen, BELGIUM; PH: 32/3/353-3688; FAX: 32/3/353-3582; TLX: 32511 (COTTRY B).
CONTACT: Michel Cottry, Man. Dir.
Broker, cash/product.

Damman-Croes S.A. ★
Spanjestr. 51, Roeselare B-8800, BELGIUM; PH: 32/051/204343; FAX: 32/051/209374; TLX: 81548.
CONTACT: Dany De Poorter, Oil Mach. Sales Mgr.
Commercial grain cleaners; conveyors (drag or en masse); loading & unloading equipment, barge, railroad, ship; soybean storage equipment & supplies, elevator & silo storage; cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; expanders; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; presses, continuous screw; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; degumming equipment;

deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers.

See Our Advertisement P. 105

De Smet Engineers & Contractors S.A. ★★

Affiliate of Compagnie Financière De Smet S.A.
Brusselsesteenweg 357, Overijse 3090, BELGIUM; PH: 32/2/687-2260; FAX: 32/2/687-2690; TLX: 20994 (DESMET B).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: G. Demeyer, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

N.V. Extraction De Smet S.A. ★

Affiliate of Compagnie Financière De Smet S.A.
MAIN OFFICE: Prins Boudewijnlaan 265, B-2650 Edegem, Antwerp, BELGIUM; PH: 32/3/449-4240; FAX: 32/3/449-4204; TLX: 31824 (DESMET B).
Other Offices: Buenos Aires, ARGENTINA (De Smet S.A.I.C.); Overijse, BELGIUM (De Smet Engineers & Contractors S.A.); São Paulo, BRAZIL (De Smet Do Brasil S.A.); Bogota, COLOMBIA (Extraction De Smet S.A., office); Giza, EGYPT (De Smet Egypt); Hull, (De Smet Rosedowns Ltd.), Runcorn, ENGLAND (De Smet Phropines Ltd.); New Delhi, Bombay, INDIA (De Smet Chemfood Engineering Pvt. Ltd.); Jakarta, INDONESIA (PT Duta Semesta Mukti); Kuala Lumpur, MALAYSIA (De Smet (Malaysia) Sdn. Bhd.); Mexico City, MEXICO (De Smet Mexico S.A. de C.V.); Metro Manila, PHILIPPINES (Equipro Industrial Co. Inc.); SINGAPORE (De Smet (Engineering) S.E.A. Pte. Ltd.); Madrid, SPAIN (De Smet Espana S.A.); Istanbul, TURKEY (STEP Ltd. Sti.); Atlanta, GA (De Smet USA Corp./De Smet Process & Tech. Inc.)
CONTACT: N. Gilliot, Comm. Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

See Our Advertisement P. 262

S. A. Fractionnement Tirtiaux ★

8 Rue de Fleurjoux, Fleurus 6220, BELGIUM; PH: 32/71/813787; FAX: 32/71/817024; TLX: 51338 (FRACTI B).
CONTACT: Alain Tirtiaux, Man. Dir.
Agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; refining/neutralization equipment, chemical, physical.

See Our Advertisement P. 114

Goorden N.V. ★

Melkerijstraat 1, Schoten 2900, BELGIUM; PH: 32/3/324-3835; FAX: 32/3/324-3838; TLX: 31394 (GORDEN B).
CONTACT: Daniel Lips, Dr. in Biochem.
EXPORTER: Full fat toasted soy flour; full fat enzyme active toasted soy flour; defatted toasted soy flour; defatted enzyme active toasted soy flour; soy concentrates; soy isolates; texturized soy flour; soy fibers; soy grits; lecithin; kibbled beans; soy albumen; IMPORTER: Full fat toasted soy flour; full fat enzyme active toasted soy flour; defatted toasted soy flour; defatted enzyme active toasted soy flour; soy concentrates; soy isolates; texturized soy flour; soy fibers; soy grits; lecithin; kibbled beans; soy albumen.

Graines & Huiles Zaden & Oilen N.V.

Sint Pietersvliet 3, Bus 13, Antwerpen 2000, BELGIUM; PH: 32/3/234-25-35; FAX: 32/3/233-6642; TLX: 31325 (SIBCI B).
CONTACT: Bruno Frickel, Trader
Trading company; EXPORTER: Crude & refined soybean oil for technical purposes; IMPORTER: Soybeans; soybean oil.

Laboratorium Oleotest

Frankrijklei 90, Antwerp 2000, BELGIUM; PH: 32/3/233-6597; FAX: 32/3/231-7728; TLX: 32-72604.
CONTACT: Louis Bastyns, Dir.
Analytical laboratories.

Oil & Fat Consulting ★★

A Division of Tractebel Engineering Int'l.
Arianelaan, 7, Brussels 1200, BELGIUM; PH: 32/2/773-9511; FAX: 32/2/773-9900; TLX: 21852 (TRACT B).
CONTACT: Etienne de Boevere, Dir.
Conveyors (drag or en masse); soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; flaking & cracking equipment; presses, continuous screw; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fractionation equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, physical; soapstock equipment; analytical laboratory equipment; waste water treatment equipment; computer process control, hardware, programming, software; construction contractors, complete plants.

N.V. Oliefabriek Lichtervelde

St. Pietersvliet 3, Nordic Building, Antwerp B-2000, BELGIUM; PH: 32/03/234-2700; FAX: 03/233-6644; TLX: 31325 (SIBCI).
Other Offices: Lichtervelde, West-Vlaanderen, BELGIUM (mfg.)
CONTACT: Coen van Wijk, Man. Dir.
Trading company; soybean seed supplier; EXPORTER: crude soybean oil; refined soybean oil for technical purposes; IMPORTER: soybeans; soybean oil.

S.I.B. N.V.

Sint Pietersvliet 3, B. 9, Antwerp 2000, Antwerpen, BELGIUM; PH: 32/3/234-27-00; FAX: 3/233-66-42; TLX: 31325 (SIBCI B).
CONTACT: Alberto Malvarosa, Man. Dir.
Trading company; EXPORTER: Crude degummed soybean oil; IMPORTER: Crude degummed soybean oil.

★ Updated Listing
★★ New Listing

BRAZIL

De Smet Do Brasil S.A. ★★
Affiliate of Compagnie Financière De Smet S.A.
Avenido Brigadeiro Faria Lima, 2020 Torre Sul, Bloco A-9 Andar, Pinheiros, CEP 01452 São Paulo, BRAZIL; PH: 55/11/815-6022; FAX: 55/11/815-6462; TLX: 1183092 (SMET BR).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: B. de Fraipont, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

Esteve Irmaos S.A.
Rua Formosa 367, 28 Andar, Caixa Postal 639, 01049 Sao Paulo, BRAZIL; PH: 55/11/222-4333; FAX: 55/11/2224571; TLX: 11-23623 or 23625 or 21096 (ESIR BR).
CONTACT: Antonio Esteve, Soybean Mgr.
EXPORTER: Soybeans - Brazil and Paraguay origin.

Fazenda Boa Fé
Rua João Caetano, 46, Caixa Postal 263, Uberaba 38100, Minas Gerais, BRAZIL; PH: 034/332-0277.
CONTACT: Ma Tien Min
Soybean seed supplier.

Industrias J. B. Duarte S.A.
Rua dos Patriotas, 1382, P.O. Box 1002, São Paulo 04207, S.P., BRAZIL; PH: 55/011/274-8211; TLX: 33172 or 21226 (IJBD BR).
Other Offices: Santo Anastácio, S.P.
CONTACT: Lian de Abreu Duarte, Comm. Dir.
EXPORTER: Soybeans; soybean meal; crude degummed, fully refined and cooking/salad oil; lecithin; shortening; tocopherols; IMPORTER: Soybeans and crude degummed oil.

Mannesmann Comercial S/A
Av. Nove de Julho, 5.345, P.O. Box 30.173, São Paulo 01051, S.P., BRAZIL; PH: 55/11/534-1339 or 534-1134; FAX: 55/11/881-5741 or 853-5975; TLX: 24264 or 34715 (MANN BR).
CONTACT: Renata Ferreira, Trader
Conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers; meal handling equipment, pelleting equipment; presses, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; crude oil storage (tanks); heat exchangers; margarine equipment; shortening equipment; construction contractors, complete plants; consultants, equipment, plant layout, industrial processes.

Maslero Industrial S.A. ★
Rodovia Jaú-dois Córregos , Km. 6, P.O. Box 218, Jau 17200, São Paulo, BRAZIL; PH: 55/146/225666; FAX: 55/146/222775; TLX: 146027 (MASI BR).
Other Offices: Buenos Aires, ARGENTINA; Mexico City, D.F., MEXICO; Porto, PORTUGAL
CONTACT: José I. Maziero, Man. Dir.
Cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; presses, continuous screw; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; solvent vapor detection & control; bleaching & filtering equipment; bleaching clays/earths; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; refining/neutralization equipment, chemical, caustic/alkali, physical; soapstock equipment.

Davy McKee Engenhairia, S.A.
Affiliate of Davy McKee Corp.
Rua Haddock Lobo 684, São Paulo 01414, S.P., BRAZIL; PH: 11/881-8122; FAX: 11/881-5607; TLX: 11-36216.
CONTACT: J. L. Lago
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

Resegue Industria e Comercio S.A.
Rua Maria Paula, 88, P.O. Box 3991, São Paulo 01319, S.P., BRAZIL; PH: 011/259-2000; TLX: 24762 or 25303 (IROV BR).
CONTACT: Pedro L. Fancio, Mgr.
EXPORTER: Soybean meal/pellets, soybean oil, laundry soap; IMPORTER: Soybean oil.

SAFRAS & Mercado
Affiliate of Editora SAFRAS Ltda.
Rua Otávio Rocha, 115, 11º Andar, P.O. Box 10.338, Porto Alegre 90.045, R. S., BRAZIL; PH: 0512/247039; FAX: 0512/249765; TLX: (EMBRATEL) 51-2416 (ESAF).
Other Offices: Buenos Aires, ARGENTINA; New York, NY (SANA)
CONTACT: Silmar César Müller, Dir.
News wires, commodity; publications/informational services.

BULGARIA

HRANEXPORT ★
56, Alabin Street, Sopia 1000, BULGARIA; PH: 872-339; FAX: 87-74-53; TLX: 22525.
CONTACT: Yovtcho Roussev, Gen. Dir.
Trading company; IMPORTER: Soybeans; soybean meal; soybean meal pellets.

CANADA

ADI International Inc. ★★
Affiliate of ADI Limited
1133 Regent Street, Suite 407, P.O. Box 44, Station "A", Fredericton E3B 4Y2, N.B., CANADA; PH: 506/452-9000; FAX: 506/459-3954.
Other Offices: Salem, NH
CONTACT: Robert Landine, Vice Pres.
Consultants, industrial processes; contract research (pilot scale); engineering services.

Agro Company of Canada Ltd.
450 Bridge Street, Montreal H3K 2C6, Quebec, CANADA; PH: 514/937-4241; TLX: 055-60623 (AGRO CAN).
Other Offices: Winnipeg, Manitoba; Vancouver, B.C., CANADA
CONTACT: Tony Plowman, Vice Pres., Exports
Trading company.

Bruker Spectrospin Canada Ltd. ★

555 Steeles Avenue, East, Milton L9T 1Y6, Ontario, CANADA; PH: 416/876-4641; FAX: 416/876-4421.
Other Offices: Sydney, B.C., CANADA; Wissembourg, FRANCE; Karlsruhe, FEDERAL REPUBLIC OF GERMANY
CONTACT: Martin A. Smith, Vice Pres.
Instruments/instrument systems, grain analyzers, material level, moisture testers, oil/protein/fiber analyzers; analytical laboratory equipment; analytical laboratories; computer process control, hardware, software.

Campro Agra Limited ★

Subsidiary of AGRA Industries Limited
2233 Argentia Road, Suite 400, Mississauga L5N 2X7, Ontario, CANADA; PH: 416/858-8010; FAX: 416/858-3332; TLX: 06-218797 (AI CE CIP MSGA).
Other Offices: Delhi; Belgaum, INDIA (Int'l. Advances Process Technologies Limited); Tokyo, JAPAN (Tomen Corp. & Muira Engineering Co. Ltd.); Kuala Lumpur, MALAYSIA (Salcon Engineering Sdn. Bhd.)
CONTACT: Peter W. Sleggs, Process Mgr.
Bleaching & filtering equipment; degumming equipment; deodorization equipment; dewaxing equipment; fractionation equipment (winterizing); hydrogenation equipment; oil dryers; refining/neutralization equipment, physical; soapstock equipment; distillate recovery equipment; consultants, equipment, industrial processes, plant layout; contract research (pilot scale); engineering services; technology services.

See Our Advertisement P. 113

Carter Day Industries (Canada), Ltd.

Affiliate of Carter Day Industries
1425 Whyte Avenue, P.O. Box 488, Winnipeg R3C 2J6, Manitoba, CANADA; PH: 204/786-5781; FAX: 204/783-9404; TLX: 07-57327.
Other Offices: Minneapolis, MN (office); Wyoming, MN (mfg.)
CONTACT: Brad Plummer, Sales Mgr.
Aspirators; commercial grain cleaners; dust control systems & supplies.

Dantec Systems Corporation ★★

495 Dotzert Court, Waterloo N2L 6A7, Ontario, CANADA; PH: 519/725-4700; FAX: 519/885-4300.
Other Offices: Indianapolis, IL; Buffalo, NY; Myrtle Beach, SC
CONTACT: Tom D. Mitchell, Vice Pres., Mkting.
Instruments/instrument systems, control, moisture testers, moisture measurement/control (continuous); computer process control, hardware, programming, software.

The Electrolyser Corporation Ltd.

122 The West Mall, Etobicoke M9C 1B9, Ontario, CANADA; PH: 416/621-9410; FAX: 416/621-9830; TLX: 06-967771 (ELECTROLYS TOR).
CONTACT: Conyers C. Baker, Vice Pres., Mkting.
Hydrogen generation equipment.

Interprovincial Cooperative Limited

5600 Cancross Court, Mississauga L5R 3E9, Ontario, CANADA; PH: 416/890-5070; FAX: 416/890-7191.
Other Offices: St. Boniface, Manitoba; Saskatoon, Saskeatchewan, CANADA
CONTACT: Grant Rogers, Feed Prod. Mgr., Brokerage
Broker, cash/product; IMPORTER: Soymeal.

Jaymark, Division of Kenscott Ltd. ★

Affiliate of Wire Rope Industries
470 Grays Road, Hamilton L8E 2Z4, Ontario, CANADA; PH: 416/561-3034; FAX: 416/578-1748.
CONTACT: Darryl Tateishi, Gen. Mgr.
Conveyors (drag or en masse); milling equipment supplies, spare parts & repair; used equipment; consultants, equipment, product development.

King Agro, Division of Kingroup, Inc. ★

Affiliate of Sanofi, Inc.
P.O. Box 1088, Chatham N7M 5L6, Ontario, CANADA; PH: 519/354-3210; FAX: 519/354-8155; TLX: 064-78548 (KING CHAT).
Other Offices: Blissfield, MI; Santiago, CHILE (King Grain Limitada)
CONTACT: Paul King, Chman.
Soybean breeder; soybean seed supplier; supplier of soybeans for food use; EXPORTER: King soy brand special quality edible soybeans.

King Grain ★

Farm Service Dir., P.O. Box 1088, Chatham N7M 5L6, Ontario, CANADA; PH: 519/354-5900; FAX: 519/354-8155; TLX: 064-78548.
CONTACT: Kim Cooper, Export Mgr.
Supplier of soybeans for food use (specializing in high protein, tofu-type soybeans); EXPORTER: white hilum soybeans.

Davy McKee Corporation

Affiliate of Davy McKee Corp., England
277 Lakeshore Road, East, Suite 211, Oakville L6J 1H0, Ontario, CANADA; PH: 416/842-4840; TLX: 06-982232.
Other Offices: London, ENGLAND (Davy McKee Corp.); Philadelphia, PA (Davy Dravo)
CONTACT: M. Cook
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services; inspection services.

Miratrade International

Affiliate of Ogilvie Mills Ltd.
291 King Street, P.O. Box 5050, London N6A 4M3, Ontario, CANADA; PH: 519/667-7400; FAX: 519/667-4802; TLX: 21/064-74137 (MIRATRADE LDN).
Other Offices: Miracle Feeds - London, Ontario; Chateauguay, Quebec; Delta, B.C.; Edmonton, Alberta; Winnipeg, Manitoba, CANADA; Onalaska, WI; Rochester, NY; Lenhartsville, PA; Winston Salem, NC; Americus, GA; Olive Branch, MS; Longview, TX; Shafter, CA; Milton, Ontario, CANADA (Miratrade Int'l.)
CONTACT: Jack Smit, Mgr.
Trading company; IMPORTER: Soymeal; soy hulls.

Noctorum Holdings Inc. ★

50 Lavender Way, London N5X 3H9, Ontario, CANADA; PH: 519/642-2194; FAX: 519/642-1556.
CONTACT: P. Maurice Bell, Pres.
Consultants, equipment, industrial processes, plant layout; engineering services.

Oriac International ★★

41 Mutual Street, Toronto M5B 2A7, Ontario, CANADA; PH: 416/365-7011; FAX: 416/365-1552; TLX: 062-17792 (ORIAC INTL TOR).
Other Offices: Baltimore, MD; Alexandria, EGYPT
CONTACT: Wayne Bacon, Gen. Mgr.
Forwarding agent; marketing consultant; trading company. EXPORTER: Soybeans; soybean meal (bulk or bagged); soybean hulls.

POS Pilot Plant Corporation

Library, 118 Veterinary Road, Saskatoon S7N 2R4, Saskatchewan, CANADA; PH: 306/975-7066; FAX: 306/975-3766.
CONTACT: Roy Carr, Pres.
Analytical laboratories; consultants, equipment, industrial processes, product development; contract research (pilot scale); engineering services.

Prochem Mixing Equipment Ltd. ★

8032 Torbram Road, Brampton L6T 3T2, Ontario, CANADA; PH: 416/793-6800; FAX: 416/793-9434.
Other Offices: Moroga, CA; Snellville, GA; Oak Brook, IL; Mendon, NY
CONTACT: Jim Moffat, Gen. Sales Mgr.
Agitators (liquid).

Promexport Canada Ltd.

Affiliate of Europmarkets (France)
Plaza Tower, Suite 2510, 4000 de Maisonneuve West, Montreal H3Z 1J9, Quebec, CANADA; PH: 514/935-0945; FAX: 514/933-3066; TLX: 055-61326.
CONTACT: Michael Librowicz, Pres.
Marketing consultant; trading company; EXPORTER: Soybeans, soy oil, soy meal.

★ Updated Listing
★★ New Listing

ProSoya Foods International, Inc. ★
627 Gaines Drive, Ottawa K1J 7W7, Ontario, CANADA; PH: 613/745-9115; FAX: 613/744-3548.
Other Offices: St. Louis., MO (ProSoya Corp.)
CONTACT: Raj P. Gupta, Vice Pres.
Soymilk & tofu equipment & supplies; consultants, equipment, industrial processes.

CHILE

Agromaule Ltda.
Affiliate of Lucchetti S.A., Santiago, CHILE
Camino Longitudinal Sur #630, Casilla 2-D, Talca, VII Región, CHILE; PH: 071/221379; FAX: 238-2608; TLX: 350018 (AGROIN CK).
IMPORTER: Crude partially degummed soybean oil.

Fareastam (Chile) Ltd.
San Antonio 378 - Of. 805, P.O. Box 3769, Santiago, CHILE; PH: 56/2/333071 or 2/383526; FAX: 56/2/334585; TLX: 340580 (FARAM CK).
CONTACT: Oscar Castelblanco, Dir.
Trading company; EXPORTER: Soybean meal; IMPORTER: Soybean meal.

Davy McKee Chile Ltda.
Affiliate of Davy McKee Corp.
Carlos Antunez 2048, Santiago A14283, Casill, CHILE; PH: 562/74377 or 562/498316 or 561/498432; FAX: 562/225-7160; TLX: 44129.
CONTACT: J. Rodriguez
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

NEED EXTRA SOYA BLUEBOOKS?
See Order Form On Page 244

CHINA, PEOPLE'S REPUBLIC OF

Davy Corporation plc.
2524f Minzu Hotel, Beijing, CHINA, PEOPLE'S REPUBLIC OF; PH: 655205 or 65841 (ext. 2524); TLX: 22424.
Other Offices: Moscow, U.S.S.R.
CONTACT: G. W. Howe
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

COLOMBIA

Extraction De Smet S.A. ★★
Affiliate of Compagnie Financière De Smet S.A.
Oficina en Colombia, Calle 81A No. 8-57, Apartado Aereo 52786, Bogota, D.E., COLOMBIA; PH: 57/1/235-9664; FAX: 57/1/217-1675; TLX: 45597 (DSMET CO).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: J. McAllister, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

Tecnintegral Ltda. ★
Affiliate of Extraction De Smet, Belgium
Calle 81A N. 8-57, P.O. Box AA93134, Bogotá, Cundinamarca, COLOMBIA; PH: 57/91/217-2480 or 91/775-0140 or 91/775-0141; FAX: 57/91/217-1675; TLX: 45597 (DSMET CO).
CONTACT: Gabriel E. Becerra Fadul, Gen. Mgr.
Conveyors (drag or en masse); dust control systems & supplies; soybean storage equipment & supplies, elevator & silo storage; cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers; meal handling equipment, hammer mills, mixing equipment (dry); presses, continuous screw; screeners/screening equipment; solvent extraction equipment; solvents; condensers; flake desolventizers, flash/vapor; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; bleaching clays/earths; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; heat exchangers; hydrogen generation equipment; hydrogenation catalysts; hydrogenation equipment; oil dryers; refining/neutralization equipment, physical; winterization equipment; waste water treatment equipment; construction contractors, complete plants; consultants, equipment, industrial processes; engineering services; inspection services.

DENMARK

APV DTD, Soya Technology Division ★
Affiliate of APV Pasilac AS
2, Europaplads, P.O. Box 146, DK-8100 Aarhus C, DENMARK; PH: 45/86/124155; FAX: 45/86/195558; TLX: 64541 (DTKEY DK).
CONTACT: Asger S. Hansen, Tech. Mgr.
Commercial grain cleaners; dust control systems & supplies; soybean storage equipment & supplies, elevator & silo storage; dehulling equipment; soymilk & tofu equipment & supplies; analytical laboratory equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, software; consultants, plant layout, product development; engineering services.

See Our Advertisement P. 264

Cimbria Unigrain Ltd. A/S

Cimbria House, P.O. Box 40, Thisted 7700, DENMARK; PH: 97/922211; FAX: 97/924411; TLX: 66684 (ASCIM DK).
Other Offices: Malmö, SWEDEN (Svenska Cimbria AB); Sollentuna, SWEDEN (Svenska Cimbria AB); York, ENGLAND (Cimbria [UK] Ltd.); Kinsale, Cork, IRELAND (Cimbria Ireland); Nakuru, KENYA (Cimbria East Africa)
CONTACT: Sven A.T. Olesen, Mkting. Mgr.
Air classifiers; aspirators; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; instruments/instrument systems, automatic samplers, control, flow measurement, grain analyzers, material level, moisture testers, quality control metal detection, warning systems; soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; screeners/screening equipment; construction contractors, complete plants.

DAMAS A.S. ★

Vester Aaby, Faaborg DK-5600, DENMARK; PH: 45/62/61-67-00; FAX: 45/62/61-68-51; TLX: 50515 (DAMAS DK).
CONTACT: Ejner Rasmussen, Sales Mgr.
Aspirators; commercial grain cleaners; instruments/instrument systems, automatic samplers.

Haldor Topsøe A/S ★

Nymollevej 55, P.O. Box 213, DK-2800 Lyngby, DENMARK; PH: 45/45/272000; FAX: 45/45/272999; TLX: 37444 (HTAS).
Other Offices: Houston, TX
CONTACT: Ernst Hansen, Area Sales Mgr.
Hydrogen generation equipment.

Skandinavisk Levnedsmiddel Rådgivning A/S ★

Krabbesholms Allé 1, Arhus/Viby J DK-8260, DENMARK; PH: 45/86/14-8300; FAX: 45/86/14-8333.
CONTACT: Poul Agger, Man. Dir.
Consultants, equipment, industrial processes, plant layout, product development; contract research (pilot scale); engineering services; inspection services. IMPORTER: NATURLI soya drink, plain and cacao.

EGYPT

De Smet Egypt ★★

Affiliate of Compagnie Financière De Smet S.A.
49 Giza Street, Apt. 23, Giza, Cairo, EGYPT; *PH: 20/272-6211; TLX: 20680* (DSEGY UN).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: M. Solliman, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

ENGLAND

Alexanders Partners Limited ★★

Affiliate of I. A. W. S. Group P.L.C., Ireland
6 Avon Reach, Chippenham SN15 EE, Wiltshire, ENGLAND; PH: 44/0249/443030; FAX: 44/0249/443402; TLX: 44287 (APSHAL).
CONTACT: Terry Cornell, Dir. or Robert Hewitt, Dir.
Broker, cash/product.

Alfa-Laval Scarples Limited

Doman Road, Camberley GU15 3DN, Surry, ENGLAND; PH: 44/276/63383; FAX: 44/276/61088; TLX: 858283.
CONTACT: Andrew W. Logan, Chemical Engineer
Degumming equipment; refining/neutralization equipment, conventional caustic.

BBA Group PLC

P.O. Box 20, Cleckheaton BD19 6HPBD, West Yorkshire, ENGLAND; PH: 027/487-4444; TLX: 51106 (BBA G).
Other Offices: Charlotte, NC; Port Clinton, OH; Bracebridge, Ontario, CANADA
CONTACT: Kenn E. Vitek, Pres.
Loading & unloading equipment, barge and ship; soybean storage equipment & supplies, elevator & silo storage; drying & aeration equipment, grain dryers.

CP Instrument Company Ltd. ★★

P.O. Box 22, Bishops Stortford M23 3DX, Herts, ENGLAND; PH: 44/0279/757711; FAX: 44/0279/755785; TLX: (UK) 817509 (COLPAR C).
CONTACT: B. E. Thomas, Dir.
Instruments/instrument systems, automatic samplers, control, flow measurement, material level, moisture testers, temperature monitors; scales; analytical laboratory equipment; waste water treatment equipment.

De Smet Rosedowns Ltd. ★

Affiliate of Compagnie Financière De Smet S.A.
Cannon Street, Hull HU2 0AD, N. Humberside, ENGLAND; PH: 482/29864; FAX: 482/25887; TLX: 592226 (DRHULL G).
Other Offices: Buenos Aires, ARGENTINA (De Smet S.A.I.C.); Antwerp (Extraction De Smet S.A.), Overijse (De Smet Engineers & Contractors S.A.), BELGIUM; São Paulo, BRAZIL (De Smet Do Brasil S.A.); Bogota, COLOMBIA (Extraction De Smet S.A., office); Giza, EGYPT (De Smet Egypt); Runcorn, ENGLAND (De Smet Phropines Ltd.); New Delhi, Bombay, INDIA (De Smet Chemfood Engineering Pvt. Ltd.); Jakarta, INDONESIA (PT Duta Semesta Mukti); Kuala Lumpur, MALAYSIA (De Smet (Malaysia) Sdn. Bhd.); Mexico City, MEXICO (De Smet Mexico S.A. de C.V.); Metro Manila, PHILIPPINES (Equipro Industrial Co. Inc.); SINGAPORE (De Smet (Engineering) S.E.A. Pte. Ltd.); Madrid, SPAIN (De Smet Espana S.A.); Istanbul, TURKEY (STEP Ltd. Sti.); Atlanta, GA (De Smet USA Corp./De Smet Process & Tech. Inc.)
CONTACT: John Longley, Gen. Sales Mgr.
Cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; presses, continuous screw; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; solvent vapor detection & control; bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; refining/neutralization equipment, chemical, physical; analytical laboratories; computer process control, hardware, programming, software; contract research (pilot scale); engineering services.

★ Updated Listing
★★ New Listing

Engelhard Sutton
Chancery House, St. Nicholas Way, Surrey SM1-1SB, ENGLAND; PH: 0944/1-643-8080; FAX: 0944/1-643-6092; TLX: 051/22317.
Other Offices: Edison, NJ (Engelhard Menlo Park); De Meern, NETHERLANDS (Engelhard); Rome, ITALY (Engelhard SpA)
CONTACT: Kenneth Dyke, Area Mgr.
Bleaching clays/earths; hydrogenation catalysts.

Engelmann & Buckham Machinery Ltd. ★
William Curtis House, Alton GU34 1HH, Hants, ENGLAND; PH: 44/420/82421; FAX: 44/420/89193; TLX: 858194.
CONTACT: Robert H. Westlake, Sales Mgr.
Deodorization equipment; fractionation equipment; heat exchangers; margarine equipment; shortening equipment.

Helix Conveyors Ltd. ★
30 Hornsby Square, Southfields Industrial Park, Laindon SS15 6SD, Essex, ENGLAND; PH: 44/0268/540820; FAX: 44/0268/541270.
CONTACT: Lawrence Tattersall, Gen. Mgr.
Conveyors (drag or en masse); instruments/instrument systems, flow measurement.

Laporte Inorganics
Moorfield Road, P.O. Box 2, Widnes WA8 0JU, Cheshire, ENGLAND; PH: 44/051/495-2222; FAX 44/051/420-4088; TLX: 627725 (LAPWIDG).
CONTACT: Frank Wright, Mkting. Mgr.
Bleaching clays/earths.

Leatherhead Food Res. Association
Randalls Road, Leatherhead, Surrey, ENGLAND; PH: 44/372/376761; FAX: 44/372/386228; TLX: 929846 (FOODRA G).
CONTACT: J. R. Swift, Sales Mgr.
Analytical laboratories; consultants, product development; contract research (pilot scale).

Lipid Technology ★★
Affiliate of Elsevier Advanced Technology
Mayfield House, 256 Banbury Road, Oxford OX2 7DH, ENGLAND; PH: 44/865/512242; FAX: 44/865/310981; TLX: 837966.
CONTACT: Peter J. Barnes, Editor
Publications/informational services (Oils & Fats).

Lucas Ingredients Ltd. ★
Affiliate of Dalgety PLC
Moravian Road, Kingswood, Bristol BS15 2NG, Avon, ENGLAND; PH: 44/0272/674681; FAX: 44/0272/605409; TLX: 449825.
CONTACT: Paul Potter, Export Mgr.
EXPORTER: NEWPRO soya concentrate; SOLUS textured soya protein.

Davy McKee Corporation
15 Portland Place, London W1A 4DD, ENGLAND; PH: 01/637-0902; FAX: 01/637-0902; TLX: 22604.
Other Offices: Pittsburgh, PA; Chicago, IL; Berkley Heights, NJ (Davy Dravo)
CONTACT: R. G. Thompson
Loading & unloading equipment, barge, ship; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; crude oil storage (tanks); fat splitters; fatty acid distillation equipment; heat exchangers; hydrogenation equipment; oil dryers; computer process control, software; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes; contract research (pilot scale); engineering services; inspection services.

NKS Eurotrade (UK) Ltd.
3 Regent Street, P.O. Box 160, London SW1Y 4NR, ENGLAND; PH: 44/1/930-7651; TLX: 8813508 (NKSLDN G).
CONTACT: L. G. Wyatt, Group Trading Mgr.
Trading company; EXPORTER: Soybeans, soybean meal; IMPORTER: Soybean meal.

Oils & Fats International Magazine & Directory ★
Affiliate of International Trade Publication Ltd.
Queensway House, 2 Queensway, Redhill RH1 1QS, Surrey, ENGLAND; PH: 44/737/768611; FAX: 44/737/761989; TLX: 948669 (TOPJNL G).
CONTACT: Bill Lavers, Editor
Publications/informational services.

Oxford Analytical Instruments Ltd. ★
20 Nuffield Way, Abingdon OX14 1TX, Oxon, ENGLAND; PH: 44/0235/532123; FAX: 44/0235/535416; TLX: 83621.
Other Offices: Andover, MA (Oxford Analytical Inc.)
CONTACT: Lorraine M. Young, Mkting. Service Mgr.
Instruments/instrument systems, control, oil/protein/fiber analyzers; analytical laboratory equipment.

Salamon & Seaber Ltd. ★
178 Old Street, London EC1 9BP, ENGLAND; PH: 01/250-4058; FAX: 01/251-0018; TLX: 295179 (SALAB G).
CONTACT: Albert A. Moulder
Analytical laboratories.

Sinar Technology
9, Waterside, Hamm Moor Lane, Weybridge, Surrey KT15 2SN, ENGLAND; PH: 44/932/858287; FAX: 44/932/858287; TLX: 934534 (SIN UK G).
CONTACT: Tony Haffenden, Mkting. Dir.
Instruments/instrument systems, moisture testers, grain analyzers, oil/protein/fiber analyzers.

Soya Foods ★★
27A Santos Road, London SW18 1NT, ENGLAND; PH: 44/81/874-5059; FAX: 44/81/874-5059.
CONTACT: Heather Paine, Editor
Publications/informational services.

SPP Cambridge ★
Affiliate of Dalgety PLC
Station Road, Cambridge CB1 2JN, ENGLAND; PH: 44/223/460666; FAX: 44/223/352012.
CONTACT: Roger Woodfield, Mkting Dir.
EXPORTER: Soy bran, soy flour (full fat & defatted), kibbled soy.

Van Den Berghs & Jurgens Ltd. ★
Affiliate of Unilever Ltd.
Sussex House, Burgess Hill,, Civic Way, West Sussex RH15 9AW, ENGLAND; PH: 044/46300.
Other Offices: Bromborough, Purfleet (mfg.)
CONTACT: B. P. Backlog, Oils & Fats Mgr.
Loading & unloading equipment, truck, barge, rail, ship.

FRANCE

Central Soya (France) S.A.
9-11 Arago, B.P. 108, Trappes 78191, Cedex, FRANCE; PH: 33/1/305-01327; FAX: 33/1/306-61384.
CONTACT: M. H. Neirynck, Country Mgr.
IMPORTER: Soybean meal.

GIE Grainval
1 Avenue De Vendôme, B.P. 731, Blois 41007, Cédex, FRANCE; PH: 54/787183; FAX: 54/745399; TLX: 750246.
CONTACT: Isabelle Molina
Consultants, industrial processes, plant layout, product development.

Hascoët S.A. ★★
Affiliate of Sopaco S.A.
Kerudu, P.O. Box 37, Plougastel-Daoulas 29470, FRANCE; PH: 33/98/37.38.39; FAX: 33/98/37.38.10; TWX: 940639 (HASCOCK).
CONTACT: J. C. LeGall, Dir. or J. Hascoët, Dir.
Brokers, cash/product.

Profat Courtage ★
7 Avenue de Château du Loir, Courbevoie 92 400, FRANCE; PH: 33/1-47-888877; FAX: 33/1-47-899955; TLX: 610675 (PROFATN).
CONTACT: Bernard Chive, Mgr.
Broker, cash/product, futures.

Riz & Denrees S.A.
34, Avenue George V, Paris 75009, FRANCE; PH: 33/1/7208304; TLX: 640830 (DENRI).
CONTACT: Olivier de Ducla, Mgr., Oils Dept.
Trading company.

SERCOM S.A.
6 Avenue Charles De Gaulle, Le Chesnay 78150 , FRANCE; PH: 39/546100; FAX: 39/633478; TLX: 697164 (SERCOM).
CONTACT: Jonathan Wright, Mgr.
Broker, cash/product.

Societe Mediterraneene pour les Echanges et les Realisations Commerciales (SOMERCOM)
16, Place du Havre, 75009 Paris, FRANCE; PH: 33/14/874-6505 or 874-6559; FAX: 33/14/281-2005; TLX: 642142 (SOMETRA F).
CONTACT: Raoul Gamon, Gerant
Broker.

GERMANY

Amandus Kahl Nachf.
Dieselstr. 5-9, P.O. Box 1246, Reinbek bei Hamburg 2057, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/727-71-0; FAX: 49/40/727-71-100; TLX: 217-875 (KAHL D).
CONTACT: F. Kahl, Advertising Mgr.
Cookers/extruders/roasters; drying & aeration equipment, meal dryers; meal handling equipment, hammer mills, pelleting equipment.

Gebrüder Bauermeister & Company, Verfahrenstechnik GmbH & Company ★
Postfach 12 68, Oststrasse 40, Norderstedt/Hamburg D-2000, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/526-08 143; FAX: 49/40/526-08 199; TLX: 213 452.
Other Offices: Memphis, TN (Bauermeister Inc.)
CONTACT: Helmut Brockelmann, Sales Mgr.
Flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pulverizing equipment.

CONDIMENTA Dr. E. Rendlen GmbH ★
Klagenfurter Str. 1-3, Postfach 300480, D-7000 Stuttgart 30, GERMANY, FEDERAL REPUBLIC OF; PH: 49/711/813015; FAX: 49/711/8999226; TLX: 0725-2248 (GWM D).
CONTACT: Bernd Hasenmaile, Mgr.
Trading company; IMPORTER: Soy bran, flour, concentrates, isolates and textured soy protein.

Davy Bamag GmbH
Affiliate of Davy McKee Aktiengesellschaft, Frankfurt
Wetzlarer Str. 136, P.O. Box 460, Butzbach D-6308, GERMANY, FEDERAL REPUBLIC OF; PH: 0049/6033/831; FAX: 0049/6033-83506; TLX: 418-4487 (DAVY D).
CONTACT: M. Nikutowski, Sales Mgr.
Hydrogen generation equipment.

Industrie-Technik GmbH ★
Alte Graben 15, Postfach 5209, Konstanz D-7750, GERMANY, FEDERAL REPUBLIC OF; PH: 07531/22007; TLX: 733351.
CONTACT: Gunther Weisener, Dipl.-Ing. (FH)
Consultants, equipment, plant layout, industrial processes; engineering services.

Interfood Deutschland GmbH
Affiliate of Interfood Luxembourg S.A.
Louisenstrasse 120, P.O. Box 1751, Bad Homburg D-6380, GERMANY, FEDERAL REPUBLIC OF; PH: 49/6172/40100; FAX: 49/6172/459057; TLX: 415840 (FOOD D).
CONTACT: Hans D. Kneer, Man. Dir.
Trading company; IMPORTER: Isolated soy proteins; soy concentrates; soy flours; soybeans (organic); textured soy proteins.

ISTA Mielke GmbH ★
Langenberg 25, 2100 Hamburg 90, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/760-2081; FAX: 49/40/760-7048 or 760-7992; TLX: 217789 (ISTA D).
CONTACT: Thomas Mielke, Editor
News wires, commodity; publications/informational services.

Franz Kirchfeld GmbH & Company KG
Moersenbroicher Weg 200, P.O. Box 4626, Düsseldorf 4000, GERMANY, FEDERAL REPUBLIC OF; PH: 0211/618-940; FAX: 0211/618-9411; TLX: 8583670.
CONTACT: Bernd Kunze, Dept. Mgr.
Bleaching & filtering equipment; degumming equipment; deodorization equipment; hydrogenation equipment; refining/neutralization equipment, physical; soapstock equipment; construction contractors, complete plants.

Krupp Maschinentechnik GmbH ★★
Seevestraße 1, Postfach 900552, 2100 Hamburg 90, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/771790; FAX: 49/40/77179-325 or 77179-630; TLX: 0217777 (HEBH D).
Other Offices: Essen; Nordrhein; Westfalen
CONTACT: Horst Plato, Economist
Drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; presses, continuous screw; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, physical; soapstock equipment; shortening equipment; construction contractors, complete plants; engineering services; inspection services.

See Our Advertisement P. 261

Lurgi GmbH ★
Lurgiallee 5, P.O. Box 11 12 31, 6000 Frankfurt 11, GERMANY, FEDERAL REPUBLIC OF; PH: 49/069/5808-3802; FAX: 49/069/5808-3888; TLX: 412360 (LG D).
CONTACT: Georg Penk, Asst. Vice Pres.
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; bleaching & filtering equipment; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; hydrogen generation equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, physical.

Walter Maschinebau GmbH ★★
Bollenhoehe 4, D-4020 Mettmann, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2104/14030; FAX: 49/2104/12054.; TLX: 858-1230 (UWE D).
CONTACT: Michael Walter
Conveyors (drag or en masse); instruments/instrument systems, automatic samplers, material level; elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment; crude oil storage (tanks); heat exchangers; analytical laboratories; consultants, equipment, industrial processes, plant layout, product development.

Noblee & Thoerl GmbH ★
Seehafenstrasse 24, P.O. Box 900752, D-2100 Hamburg 90, GERMANY, FEDERAL REPUBLIC OF; PH: 49/40/76693-0; FAX: 49/40/7669311-1; TLX: 217713 (NOBL D).
CONTACT: Rolf Spindler, Purchasing Mgr.
EXPORTER: Refined soybean oil, refined & hardened soybean oil; IMPORTER: Crude soybean oil.

★ Updated Listing
★★ New Listing

Carl Aug. Picard GmbH & Company KG ★

Hasteraue 9, P.O. Box 140440, D-5630 Remscheid , GERMANY, FEDERAL REPUBLIC OF; PH: 49/2191/893-111; FAX: 49/2191/893-111; TLX: 8513906 or 8513809 (PICA D).
Other Offices: Newcastle-under-Lyme, Staffs, ENGLAND (office); HONG KONG (mfg.); Irvine, CA (mfg.); Battle Creek, MI (mfg.)
CONTACT: Anne Jaeger, Secy. to Sales Dir.
Milling equipment supplies, spare parts & repair; presses, continuous screw.

Ponndorf Maschinenfabrik GmbH

Leipziger Strasse 374, P.O. Box 102860, Kassel D-3500, GERMANY, FEDERAL REPUBLIC OF; PH: 561/51140; TLX: 99760 (PONKAS).
CONTACT: Peter Boll
Drying & aeration equipment, meal dryers; presses, continuous screw.

Maschinenfabrik Reinartz GmbH & Co. KG ★

Industriestrasse 14, P.O. Box 10 09 50, D-4040 Neuss 1, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2101-272028 (Neuss area code will change from 2101 to 2131 sometime in 1991); FAX: 49/2101-275381; TLX: 8517740 (MRN D).
CONTACT: Manfred Boss, Man. Dir.
Cookers/extruders/roasters; flaking & cracking equipment; presses, continuous screw.

See Our Advertisement P. 109

Schwäbische Hüttenwerke GmbH (SHW)

Heidenheimer Strasse 1, P.O. Box 40, D-7923 Königsbronn, GERMANY, FEDERAL REPUBLIC OF; PH: 49/7328-830; FAX: 49/7328-8318; TLX: 714801.
Other Offices: Ansonia, CT (SHW, Inc.) (mfg.)
CONTACT: Thomas Volk, Mgr. Sales
Soybean storage equipment & supplies, elevator & silo storage; flaking & cracking equipment.

SKET - Schwermaschinenbau-Kombinat Ernst Thälmann

Mariènstrasse 20, Postfach 77, Magdeburg 3011, GERMANY, FEDERAL REPUBLIC OF; PH: 91/37/680; FAX: 91/37/613100; TLX: 08241 (SKET).
CONTACT: Swrlwd Wende
Commercial grain cleaners; cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; presses, continuous screw; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; solvent vapor detection & control; deodorization equipment; heat exchangers; oil dryers; refining/neutralization equipment, chemical; soapstock equipment; soy protein equipment & supplies; computer process control, hardware, programming, software; construction contractors, complete plants, protein plants.

Süd-Chemie AG

Lenbachplatz 6, Postfach 20 22 40, 8000 München 2, GERMANY, FEDERAL REPUBLIC OF; PH: 089/5110-0; FAX: 089/5110-375; TLX: 523821 or 523872 (SCMU D).
CONTACT: R. Christians
Bleaching clays/earths; hydrogenation catalysts.

Sulzer-Escher Wyss GmbH ★

Escher Wyss Strasse 25, P.O. Box 1380, D-7980 Ravensburg, GERMANY, FEDERAL REPUBLIC OF; PH: 49/751-832287; FAX: 49/751-833033; TLX: 732901 (EWRV D).
Other Offices: Houston, TX (Sulzer Chemtech, c/o Sulzer USA Inc.)
CONTACT: Gerd Florin, Dipl. Ing.
Dryers & coolers, fluidized bed; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers.

Unichema Chemie GmbH ★

MAIN OFFICE: P.O. Box 1280, D-4240 Emmerich, GERMANY, FEDERAL REPUBLIC OF; PH: 49/2822/72470; FAX: 49/2822/72276; TLX: 812-5113.
Other Offices: Chicago, IL (Unichema North America)
CONTACT: R. A. Joosten, Business Mgr.
Hydrogenation catalysts.

Westfalia Separator AG ★

Box 3720, Oelde 4740, GERMANY, FEDERAL REPUBLIC OF; PH: 02522/772781; FAX: 02522/772488; TLX: 89474.
CONTACT: Hans-Jürgen Korbal, Dipl. Engineer
Centrifuges.

GUATEMALA

Alimentos S.A.

Carretera a San José Pinula, Km. 14.5, P.O. Box 8, Guatemala City 01973, GUATEMALA; PH: 502/9/30-12-66 or 30-12-68; FAX: 502/9/30-18-16.
CONTACT: Carlos F. Tejada, Gen. Mgr.
EXPORTER: Textured soy; IMPORTER: Soybean meal, soybean meal flour.

HONDURAS

Alimentos Concentrados Nacionales, S.A. (ALCON)

Subsidiary of Cargill Inc.
Apartado Postal 283, San Pedro Sula, HONDURAS; PH: 504/57-5945; FAX: 504/53-4031; TLX: 5576 (ALCON HT).
CONTACT: Jimmie N. Taylor, Gen. Mgr.
IMPORTER: Soybean meal 48%; 15,000MT per year.

HONG KONG

U. S. O. P. Ltd. ★

33 Garden Road Central, St. John's Building, 15th Floor, Hong Kong, HONG KONG; PH: 852/5/523-0594; TLX: 73273 (EISCO HX).
CONTACT: Efraim Rennert, Dir., Project Dept.
Solvent extraction equipment; refining/neutralization equipment, chemical, physical; engineering services

HUNGARY

AGRIMPEX Trading Company Ltd. ★

International Dept., Munich Ferenc u.22, P.O. Box 278, Budapest 1392, HUNGARY; PH: 36/1/1113-800; FAX: 36/1/1530-658.
CONTACT: A. Vermes, Gen. Dir.
Trading company.

Grain Trading Company Ltd. ★

Dorottya 1, P.O. Box 232, Budapest 1368, HUNGARY; PH: 36/1/118-3900; FAX: 36/1/118-1299; TLX: 22-4451.
CONTACT: Daniel Lacfi, Man. Dir.
Publications/informational services.

INDIA

Cottor International ★

Affiliate of Cottor Plants (India) Pvt. Ltd.
303 Vikas Building, 11 N.G.N. Vaidhya Marg, Fort., Bombay 400 023, Maharashtra, INDIA; PH: 91/22/286-1349 or 294765 or 294765; FAX: 91/22/286-1349; TLX: 011-3565 (COTR IN).

CONTACT: Ram Dayal S. Bohra, Chief Exec.
Aspirators; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; cookers/extruders/roasters; coolers, fluidized bed; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, hammer mills, mixing equipment (dry); milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; solvents; solvent extraction distillation equipment; solvent vapor detection & control; agitators (liquid); bleaching & filtering equipment; bleaching clays/earths; crude oil storage (tanks); degumming equipment; deodorization equipment; filter presses; heat exchangers; hydrogen generation equipment; hydrogenation catalysts; hydrogenation equipment; oil dryers; refining/neutralization equipment, conventional caustic, physical; soapstock equipment; soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies; soy protein equipment & supplies; cleaning/sanitizing equipment & supplies; used equipment; waste water treatment equipment; consultants, equipment, plant layout, product development; engineering services; inspection services.

Davy Powergas India Private Ltd.

2540 Dr. Annie Besant Road, P.O. Box 9101, Bombay 40025, INDIA; PH: 493-4221; TLX: 1171623.
CONTACT: Rama Iyer
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

De Smet Chemfood Engineering Pvt. Ltd. ★★

Affiliate of Compagnie Financière De Smet S.A.
5 Wallace Street, Apeejay Chambers, P.O. Box 608, Bombay 400 001, INDIA; PH:91/22/204-4506; FAX: 91/22/204-4500; TLX:112668 (JMN IN).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.); New Delhi
CONTACT: S. Marshall, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

De Smet Chemfood Engineering Pvt. Ltd. ★★

Affiliate of Compagnie Financière De Smet S.A.
No. 1 Golf Links, P.O. Box 608, New Delhi 110 003, INDIA; PH:91/11/690228; FAX: 91/11/690228; TLX: 61200 (DSMT IN).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.); Bombay
CONTACT: J. Guilmin, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

Do-Well Oil Plants Pvt. Ltd. ★

306, Manish Commercial Centre, Dr. Annie Besant Road, Worli, Bombay 400025, INDIA; PH: 91/22/493-4056 or 493-6350 or 493-7219; TLS: 75573 (DWL IN).
Other Offices: Bombay, INDIA (mfg.)
CONTACT: Devinder Malhotra, Man. Dir.
Anti-caking agents; cookers/extruders/roasters; coolers, fluidized bed; dehulling equipment; drying & aeration equipment, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; bleaching clays/earths; centrifuges; crude oil storage (tanks); degumming equipment; deodorization equipment; heat exchangers; hydrogen generation equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; emulsifiers; margarine equipment; shortening equipment.

Dosi & Associates ★★

10, MIG Jawahar Nagar, A. B. Road, Dewas 455 001, M.P., INDIA; PH: 91/2159.
CONTACT: Dharam C. Dosi, Pres.
Consultants, equipment, industrial processes, plant layout; engineering services.

Flour & Food Ltd. ★

10/11, Yeshwant Niwas Road, Indore 452 003, M. P., INDIA; PH: 91/731/37365-69 (5 lines); FAX: 91/731/32926 (Indore) or 91/22/2041964 (Bombay); TLX: 735-216 (FOOD IN) or 735-378 (ALSO IN).
Other Offices: Bombay, Maharashtra; New Delhi, INDIA
CONTACT: S. G. Bhandari
Trading company; supplier of soybean for food use; EXPORTER: Soybean meal.

General Foods Limited ★★

101, Mahakosh House, 7/5 S. Tukoganj, Opp. Nath Mandir, Indore 452 001, M.P., INDIA; PH: 91/0731/23281 (5 lines); FAX: 91/0731/32168; TLX: 0735-203 (MSS IN) or 011-3273 (GFPL IN).
Other Offices: Bombay, Maharashtra, INDIA
CONTACT: Suresh Shahra
EXPORTER: Soybean extraction/meal.

Geo-Chem Laboratories Pvt. Ltd.

294 Shahid Bhagat Singh Road, Bombay 400001, INDIA; PH: 91/22/265217; FAX: 91/22/265217; TLX: 81-11-73912.
CONTACT: Rajesh Bahl, Dir.
Analytical laboratories; inspection services; weighing services & surveys.

Kapil Agro Ltd.
36 Chowringhee Road, Calcutta 700071, West Bengal, INDIA; PH: 091/033/291758; TLX: 0217412 (IJCA IN).
Other Offices: Narsinghpur, M.P., INDIA (mfg.)
CONTACT: H. K. Jalan, Dir.
EXPORTER: Defatted soy meal.

Patel Brothers Services & Engineering Pvt. Ltd. ★★
10 Veer Nariman Road, 6 Elphinston Building, G.P.O. Box 611, Bombay 400 001, Maharashtra, INDIA; PH: 91/22/20-1072 or 204-4295; FAX: 91/22/204-9178; TLX:84837 (PBSE IN).
CONTACT: Pesi Patel, CEO
Dehulling equipment; screeners/ screening equipment; waste water treatment equipment.

Schokhi Industrials Pvt. Ltd. ★
Schokhi House, Ground Floor, French Bridge, Opera House JN, Bombay 400 007, Maharashtra, INDIA; PH: 91/22/ 380158 or 368255; FAX: 91/22/287-1771; TLX: 1174535 (SOKI IN).
CONTACT: Nitin Goel, Dir.
Consultants, equipment, product development; inspection services; weighing services & surveys.Broker, cash/product, futures; financial, banker, commodity hedger, economic forecaster; forwarding agent; marketing consultant; trading company; warehousing: export/import, ocean port terminal; news wires, commodity; publications/informational services; EXPORTER: Soyabean meal.

Spads Biotechnica (P) Ltd. ★
14 Vikas Park, P.O. Box 18282, Juhu Tara Road, Juhu 400049, Bombay, INDIA; PH: 91/022/614-1247; FAX: 91/022/614-2105 (ATTN: SPADS); TLX: 1171419 (PALMIN ATTN: SPADS).
CONTACT: Dev Sharma, Dir.
Anti-caking agents; refining/neutralization equipment, chemical, caustic/alkali suppliers; antioxidants.

INDONESIA

PT Duta Semesta Mukti ★★
Affiliate of Compagnie Financière De Smet S.A.
C/O PT Gunung Mas, Jalan Jayakarta, 141 Block A21, Jakarta, INDONESIA; PH:62/21/629-5545; FAX: 62/21/629-3038; TLX: 41423 (GUMAS IA).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: A. Wahab, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/ roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/ screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

ISRAEL

Einhorn's Sons Ltd. ★
47 Wolfson Street, P.O. Box 524, Tel Aviv 61004, ISRAEL; PH: 972/3/379126; FAX: 972/3/379131; TLX: 35555 (EINH IL).
CONTACT: Shlomo Einhorn, Man. Dir.
Broker, cash/product; trading company.

H.L.S. Ltd. ★
Kiriat-Arie, P.O. Box 193, Petah-Tikva 49101, ISRAEL; PH: 972/3/925-6238; FAX: 972/3/925-6289; TLX: 381125 (ETZHL IL).
CONTACT: E. Danin, Man. Dir.
Cookers/extruders/roasters; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, physical; soapstock equipment; construction contractors, complete plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

Hayes General Technology Company Ltd. ★
Misgav Dov 19, Mobile Post Emek Sorek 76867, ISRAEL; PH: 972/8/592925; FAX: 972/8/596346; TLX: 381240 (HGEMC IL).
Other Offices: Gedera (2 Offices; Hayes Gen. Tech. & General Feeds Co.); Misgav Dov (Hayes Engineeering Co.)
CONTACT: Daniel Chajuss, Dir.
Meal handling equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; screeners/ screening equipment; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; soy protein equipment & supplies; construction contractors, complete plants, protein plants; consultants, equipment, plant layout, industrial processes, product development; contract research (pilot scale); engineering services. Marketing consultants; trading company.

Israel Export & Trust Corp.
13 Carlebach Street, P.O. Box 20236, Tel Aviv 61200, ISRAEL; PH: 972/3/299102; TLX: 33460 (OILEX).
CONTACT: Abraham Lender, Gen. Dir.
EXPORTER: Soybean products; IMPORTER: Soybeans.

ITALY

CICAM S.R.L. ★
Via G. Cavalcanti, 14, 20127 Milano, ITALY; PH: 02/289-4415/282-0694; FAX: 02/284-7757; TLX: 315498 (CICAM).
CONTACT: Lucio Rinaldi, Gen. Mgr.
Trading company; warehousing: export/import; IMPORTER: Isolated soy protein, soy flours, TVP, soy milk, soy grits.

Costruzioni Meccaniche Bernardini S.p.A. ★
Affiliate of Ballestra Group
Via dei Castelli Romani, 2L, Pomezia 00040, Rome, ITALY; PH: 39/06/912-0251 (6 lines); FAX: 39/06/910-6762; TLX: 610220 (CMB I).
CONTACT: Mario Bernardini, Man. Dir.
Cookers/extruders/roasters; dehulling equipment; flaking & cracking equipment; milling equipment supplies, spare parts & repair; screeners/ screening equipment; solvent extraction equipment; condensers; solvent extraction distillation equipment; solvent vapor detection & control; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogen generation equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, physical; soapstock equipment; margarine equipment; shortening equipment; construction contractors, complete plants; engineering services.

Fratelli Gianazza S.p.A.
Viale Cadorna 78-84, Lagnano 20025, ITALY; PH: 0039/331/546381; FAX: 0039/331/546342; TLX: 331096 (GIAFRA).
CONTACT: Osvaldo Gianazza, Gen. Mgr.
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, conventional caustic, physical; soapstock equipment; winterization equipment; shortening equipment; construction contractors, complete plants.

G. Mazzoni S.p.A.
Viale Trentino 10/12, Busto Arsizio 21052, Varese, ITALY; PH: 331/684064; FAX: 331/684511; TLX: 330576 (GMAZZ) or 325836 (GMAZZ).
CONTACT: Lodovico Frontero, Process Engineer
Solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; solvent vapor detection & control; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, conventional caustic, physical; soapstock equipment; winterization equipment.

Meccaniche Moderne SRL
C. So. Sempione 32, P.O. Box 388, Busto Arsizio 21052, ITALY; PH: 0039/331/629145 or 631012; FAX: 0039/331/634350; TLX: 330617 (MECMOD I).
CONTACT: S. Mangiafico, Comm. Dir.
Bleaching & filtering equipment; deodorization equipment; soapstock equipment.

SERVCO S.p.A. ★★
Affiliate of ANSCO S.p.A.
S.S. Sempione N. 212, P.O. Box 315, Busto Arsizio 21052, Varese, ITALY; PH: 39/331/685340; FAX: 39/331/685188; TLX: 312066 (SERVCO I).
CONTACT: Chiappa Ottorino, Tech. Dir.
Meal handling equipment, mixing equipment (dry), pulverizing equipment; milling equipment supplies, spare parts & repair; presses, hydraulic; agitators (liquid); crude oil storage; filter presses; analytical laboratories; construction contractors, complete plants; consultants, plant layout, product development; contract research (pilot scale); engineering services; inspection services.

JAPAN

Advance Foods, Inc.
Hoko Bldg., 501, Ginza 1-8-19, Chuo-Ku, Tokyo 104, JAPAN; PH: 81/03/3562-3925; FAX: 81/03/3561-2796; TLX: 252-3295 (PWPTOK J).
CONTACT: Kim Saito, Dir.
Engineering services. Marketing consultant.

GENEX Corporation ★
1-15-6 Ginza, Chou-ku, Tokyo, JAPAN; PH: 81/3/3563-6211.
Other Offices: New York, NY
CONTACT: Katsumi Iida, Pres.
Publications/informational services.

C. Itoh & Company, Ltd. (Tokyo) ★
5-1, Kita-Aoyama, 2-Chome, Minatoku, C.P.O. Box 136, Tokyo 100-91, JAPAN; PH: 81/3/3497-6068; FAX: 81/3/3497-6085; TLX: J23111 (ITOHCHU).
CONTACT: Tatsuo Inoue
Trading company; IMPORTER: Soybeans; soy oil (crude & refined); soy meal.

Kawanishi Shoko Company Ltd. ★
340 Kuden-Cho, Sakae-ku, Yokohama, JAPAN; PH: 81/45/892-5547; FAX: 81/45/893-7251; CABLE: KAWANISHI SHOKO.
Other Offices: Los Angeles, CA
CONTACT: Satoru Haraguchi
Commercial grain cleaners; soymilk & tofu equipment & systems; soyfoods packaging equipment & supplies.

See Our Advertisement P. 139

Mitoku Company Ltd. ★
Room 257, Tokyo Bldg., 2-7-3 Marunouchi, Chiyoda ku, C.P.O. Box 780, Tokyo 100-91, JAPAN; PH: 81/3/3201-6701; FAX: 81/3/3201-6708; TX: 34698 (DAISHO J).
CONTACT: Christopher Dawson, Dir., Int'l. Sales & Mktng.
Soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies. EXPORTER: Johsen shoyu; Sakae shoyu; Mansan organic tamari; Johsen miso; Onozaki miso; Hatcho miso; Mansan miso; Mitoku macrobiotic shoyu & miso; IMPORTER: Organic soybeans.

Miura Engineering Company, Ltd. ★
3-1-11, Ojima, Koto-ku, Tokyo 136, JAPAN; PH: 81/03/3685-5961; FAX: 81/03/3637-9674.
CONTACT: Shigeo Miura, Pres.
Instruments/instrument systems, control, flow measurement; cookers/extruders/roasters; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogen generation equipment; hydrogenation equipment; refining/neutralization equipment, physical; soapstock equipment; margarine equipment; shortening equipment; cleaning/sanitizing equipment & supplies; waste water treatment equipment; computer process control, programming; construction contractors, complete plants; consultants, plant layout; engineering services.

Nippon Yuryo Kentei Kyokai
No. 9, Kaigan-Dori, 3-Chome, Naka-ku, Yokohama 231, JAPAN; PH: 045/201-8337; TLX: 3823123 (NYKK J).
Other Offices: Kobe; Chiba; Kashima, JAPAN
CONTACT: Akira Hinokuma, Pres.
Analytical laboratories; inspection services; weighing services & surveys.

Nissho Iwai Corporation ★
2-4-5 Akasaka, Minato-ku, Tokyo, JAPAN; PH: 81/03/3588-3504; FAX: 81/03/3588-3777.
Other Offices: New York, NY
CONTACT: Mitsuyuki Nishimura, Mgr.
Trading company; EXPORTER: Soybeans, soy protein, soy oil, lecithin; IMPORTER: Soy protein, shortening.

Nosawa & Company, Ltd.
3-4-1 Marunouchi, Chiyoda-ku, Tokyo 100, JAPAN; PH: 81/3/3321-63469; FAX: 81/3/3201-3039; TLX: J-22293 or J-22311.
Other Offices: New York, NY
CONTACT: H. Inoue, Mach. Div. Mgr.
Cookers/extruders/roasters; soymilk & tofu equipment & systems.

Sato & Company, Ltd. ★
3-33-9 Nakano, 3 Chome, Nakano-ku, Tokyo 164, JAPAN; PH: 81/3/3382-0761; FAX: 81/3/3384-9313; TLX: 2323115.
CONTACT: J. Takahashi, Export Mgr.
Soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies.

See Our Advertisement P. 137, 150

— Please Check Your Listing For Accuracy —

★ Updated Listing
★★ New Listing

Sumitomo Corporation
Sumitomo Kurita Building, 24-1, Kandanishikicho 3-Chome, Chiyoda-ku, P.O. Box 1524, Tokyo 100-91, JAPAN; PH: 81/03/3296-2752; FAX: 81/03/3296-3549; TLX: J22202 (SUMIT).
CONTACT: Susumo Ono, Mgr. Soybean & Rapeseed Sect.
IMPORTER: Soybeans; soybean oil; soybean meal.

Takai Tofu & Soymilk Equipment Company ★
1-1 Inari, Nonoichi-machi, Ishikawa-gun, Ishikawa-ken 921, JAPAN; PH: 0762-48-1712; FAX: 0762/48-5457; TLX: 5122... (TAKAI J).
Other Offices: Kawagoe-shi, Tokyo; Toyonaka-shi, Osaka; Sapporo-shi, Hokkaido
CONTACT: Wataru Takai, Sr. Dir.
Soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies.

See Our Advertisement P. 140

KOREA, REPUBLIC OF (SOUTH KOREA)

Dong Bang Corporation ★
2, 4-Ka, Yangpyung-dong, Youngdeungpo-Ku, C.P.O. 3031, Seoul 150-104, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/676-9121; FAX: 82/2/675-4961 or 675-7339; TLX: K27334 (DBCORP).
Other Offices: Inchon; Chinhae; Pusan
CONTACT: Jang Hong Yoo, Dir.
EXPORTER: Soybean oil; soybean meal; soybean protein; IMPORTER: Soybeans (yellow).

Dr. Chung's Foods Company, Ltd. ★
1318-2, Kinam Bldg., Seocho-dong, Seocho-ku, Seoul 135, KOREA, REPUBLIC OF (SOUTH KOREA); PH: 82/2/553-0821; FAX: 82/2/553-0838; TLX: 29560 (VEGEMIL K).
CONTACT: Kyong M. Kim, Pres.
EXPORTER: VEGEMIL and WOOREAN soy beverages.

KUWAIT

Mubarakiah Poultry & Feed Company
P.O. Box 24418, Safat 13105, KUWAIT; PH: 965/484-1786 or 965/484-1983 or 965/484-9085; FAX: 965/484-5634; TLX: 44556 (POULTCO KT).
CONTACT: Abdul M. Al-Ferhan, Man. Dir.
IMPORTER: Soybean meal, 44% minimum protein; soybean oil.

MALAYSIA

De Smet (Malaysia) Sdn. Bhd. ★★
Affiliate of Compagnie Financière De Smet S.A.
No. 49 Jalan SS 15/4B, Subang Jaya 47500, Petaling Jaya, Selangor, ALAYSIA; PH:60/3/734-8563; FAX: 60/3/734-8569.
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: K. Chong, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment; mixing equipment (dry), pelletizing equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipmen; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

Dindings Soya & Multifeeds Sdn. Berhad ★
Wisma MCA, 10th Floor, 163 Jalan Ampang, P.O. Box 10537, Kuala Lumpur 50450, MALAYSIA; PH: 60/03/261-9055; FAX: 60/03/261-0502; TLX: (MA) 30378 (FLOUR).
CONTACT: Teh L. Teik, Chman.
IMPORTER: Soybeans; soybean meal.

MALTA

Andrews Feeds (Malta) Ltd.
Affiliate of Andrews Milling Ltd., Belfast, No. IRELAND
Valletta Road, Luqa, P.O. Box 433, Valletta, MALTA; PH: 0356/621735; FAX: 0356/232163; TLX: 1365 (ANDRWS MW).
CONTACT: Joseph De Battista, Man. Dir.
IMPORTER: Soyabean meal for the production of balanced animal feeds.

MEXICO

Aceites Industriales El Zapote ★
Presidente Juarez 201, Mexico City 54090, D.F., MEXICO; PH: 52/398/9900-011525; FAX: 52/525/398-9329; TLX: 172613 (ELZAME).
Other Offices: Houston, TX
CONTACT: Eugenio Gomez
Marketing consultant; trading company; supplier of soybeans for food use; EXPORTER: Crude soy oil.

Banamex, S.N.C.
Andres Bello No. 45, Piso 8-1/2, Col. Polanco, Mexico 11560, D.F., MEXICO; PH: 52/915/250-9220 or 250-9221; TLX: 17-73149 (BN MX).
Broker, futures; financial, commodity hedger, economic forecaster.

De Smet Mexico S.A. de C.V. ★★
Affiliate of Compagnie Financière De Smet S.A.
Florencia 37 - Piso 4, Mexico City 06600, D.F., MEXICO; PH: 52/5/533-4024; FAX: 52/5/207-8422; TLX: 1771566 (SMET ME).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT:S. Sarmiento, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking

equipment; meal handling equipment, mixing equipment (dry), pelleting equipmen; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

Distribuidora Veterinaria del Pacifico, S.A. de C.V. ★★

Otero 306 Nte., Navojoa 85800, Sonora, MEXICO; PH: 52/642/26318 or 642/27418; FAX: 52/642/22350.
Other Offices: Hermosillo, Sonoma
CONTACT: Fernando Valenzuela
EXPORTER: Animal/livestock feed; soybean meal.

J. L. Escamilla Comisiones y Representaciones

Paseo de la Reforma 76-1302, P.O. Box 775, Mexico 06000, D.F., MEXICO; PH: 52/905/546-1887 or 546-1921; FAX: 52/905/5/535-2436; TLX: 1774446 (JLEPME).
CONTACT: Jose L. Escamilla, Dir.
Broker, cash/product.

Promagri S.A. de C.V.

Francisco Nicodemo Núm. 210-1, Col. Smith, Tampico 89140, Tamaulipas, MEXICO; PH: 91/12 13-25-90.
Other Offices: Mante, Tamulipas, MEXICO
CONTACT: Benito Arguello-Rey, Gen. Dir.
Soybean seed supplier.

Quimica Sumex, S.A. de C.V. ★

Affiliate of Sûd Chemie, A.G. (Munich, FEDERAL REPUBLIC OF GERMANY)
MAIN OFFICE: Conjunto Plaza Inn, Av. Insurgentes Sur #1971, Apartado Postal 19-201, Mexico City 01030, D. F., MEXICO; PH: 52/5/548-6720 or 548-6721 or 548-6722; FAX: 52/5/548-3344; TLX: 1771707 (OSUXME) or 1771020 (SUMXME).
Other Offices: Mexico City, MEXICO (Comercial Sumex, S.A. de C.V.)
CONTACT: Gerardo Feldhaus, Comm. Dir.
Bleaching clays/earths. Broker, cash/product, futures.

NEPAL

Shree Shiva Shakti Ghee Udyog Pvt. Ltd. ★

Affiliate of the Sikaria Organization
Mercantile Building, Adarshanagar, P.O. Box 25, Birganj, Narayani Zone, NEPAL; PH: 977/51/21674; FAX: 977/51/21673; TLX: 4007 (SIKRIA NP).
Other Offices: Kathmandu
CONTACT: Dwarka P. Sikaria, Man. Dir.
IMPORTER: Crude degummed soybean oil, RBD soybean oil, hydrogenated soybean oil.

NETHERLANDS

Algemene Oliehandel (AOH) ★★

Maliebaan 68, Utrecht 3581 CV, NETHERLANDS; PH: 31/30/334514; FAX: 31/30/42102; TLX: 40710 (AOH).
CONTACT: W. A. Knetemann, Dir.
Trading company.

Amafilter B.V. ★

Kwakelkade 28, P.O. Box 396, Alkmaar 1800 AJ, NETHERLANDS; PH: 31/72/152414; FAX: 31/72/125207; TLX: 57291 (AMAL NL).
Other Offices: London, ENGLAND (Amafilter UK Ltd.); Pontoise, FRANCE (Amafilter S.A.R.L.); Düsseldorf, FEDERAL REPUBLIC OF GERMANY (Amafilter Deutschland GmbH); Petaling Jaya, MALAYSIA (Amafilter Asia)
CONTACT: Thijs Wiersma, Prod. Mgr.
Bleaching & filtering equipment.

Applikon Dependable Instruments BV ★

De Brauwweg 30, P.O. Box 149, Schiedam 3100 AC, NETHERLANDS; PH: 31/10/462-1855; FAX: 31/10/437-9648; TLX: 26302 (APLON).
Other Offices: Genova, ITALY (Applikon Italia); Aldershot, Hants, UNITED KINGDOM (Applikon Analyzers)
CONTACT: Wim Boor, Vice Pres., Mkting. & Sales
Instruments/instrument systems, control, oil/protein/fiber analyzers; drying & aeration equipment, conditioners & coolers.

Caleb Brett Nederland B.V. ★

Leerlooierstraat 135, P.O. Box 7455, Rotterdam 3000 HL, NETHERLANDS; PH: 31/10/490-702; FAX: 31/10/472-3225; TLX: 62090.
CONTACT: Flip Oosthoek, Agri. Mgr.
Analytical laboratories; inspection services; weighing services & surveys.

Central Soya Overseas B.V., Chemurgy Div. ★

Affiliate of Central Soya Company
Veerlaan 17-23, P.O. Box 5063, Rotterdam 3008 AB, NETHERLANDS; PH: 31/010/423-9600; FAX: 31/010/4230897; TLX: 20041 (CNSOY NL).
CONTACT: James P. King, European Sales & Mkting. Dir.
Emulsifiers. Marketing consultant; trading company; warehousing: export/import, ocean port terminal; supplier of soybeans for food use; EXPORTER: Soy proteins; soy lecithins; IMPORTER: Soy proteins; soy lecithins.

Jan Dekker International ★★

Plein 13, No. 1, P.O. Box 10, Wormerveer 1520 AA, NETHERLANDS; PH: 31/75/278278; FAX: 31/75/213883; TLX: 19273 (DEKK).
CONTACT: M. Knop
Antioxidants.

Engelhard De Meern B.V.

Catalysts & Chemicals Division
Strijkviertel 67, P.O. Box 19, De Meern 3454 ZG, NETHERLANDS; PH: 03406/69211; FAX: 03406/61538; TLX: 70782.

Goudsmit Magnetic Systems B.V. ★

Petunialaan 19, P.O. Box 18, Aalst-Waarle 5580 AA , Noord Brabant, NETHERLANDS; PH: 31/4904/13283; FAX: 31/4904/17325; TLX: 51991 (GOUMA NL).
CONTACT: Martin J. Goudsmit, Man. Dir.
Instruments/instrument systems, quality control metal detection; magnetic separators; cleaning/sanitizing equipment & supplies (magnetic).

Graan Elevator Maatschappy (G.E.M.) B.V. ★

Affiliate of HES Beheer N.V.
MAIN OFFICE: P.O. Box 1151, 3180 AD Rozenburg Z-H, NETHERLANDS; PH: 01819/62988; FAX: 01819/58144; TLX: 29881 (GEMEU NL).
Other Offices: Rotterdam (GEM Bottek Terminal)
CONTACT: N. C. van Viersen, PR Mgr.
Warehousing: export/import, ocean port terminal.

Liquid Filtration Consultants (LFC)

Lochem BV, Havenstraat 5, P.O. Box 35, Lochem 7240 AA, NETHERLANDS; PH: 31/05730-54631; FAX: 31/05730-57132; TLX: 49326.
Other Offices: Dunedin, FL (Florida Industrial Filters)
CONTACT: Frank Veldkamp, Comm. Dir.
Screeners/screening equipment; bleaching & filtering equipment; filter presses; hydrogenation equipment; consultants, equipment.

Mostert Oilseeds BV ★
Sleeuwÿksedÿk 26°, P.O. Box 150, Werkendam 4250 DD, NETHERLANDS; PH: 01835-2600; FAX: 01835-2905; TLX: 24657 (ZMOS NL).
CONTACT: Gerrit Mostert, Dir.
Broker, cash/product.

A. Reinstein & Sons Ltd. ★
Stationsplein 45, P.O. Box 29107, Rotterdam 3001 GC, NETHERLANDS; PH: 10/413-5070; FAX: 10/414-4097; TLX: 21111 (ARSO NL).
Other Offices: Hamburg, FED. REPUBLIC OF GERMANY (A. Reinstein & Zonen GmbH)
CONTACT: Aartje J. E. Priem-Meddler, Secy.
Broker, cash/product, futures.

Rotterdamsche Margarine Industrie (ROMI) BV ★
Affiliate of Koninkijke Smilde, Hesrenveen Kon. Wilhelminahaven NZ 17, P.O. Box 20, Vlaardingen 3130 AA, NETHERLANDS; PH: 31/10/434-0311; FAX: 31/10/435-3627; TLX: 25770.
CONTACT: L. Albert van Marion, Dir. or S. Haagsma, Comm. Dir.
Bleaching & filtering equipment; bleaching clays/earths; crude oil storage (tanks); deodorization equipment; hydrogenation equipment; analytical laboratory equipment; waste water treatment equipment. Broker, cash/product; financial, commodity hedger; trading company; news wires, commodity, publications/informational services; EXPORTER: Hydrogenated soybean oil; refined soybean oil; IMPORTER: Crude soybean oil.

Schouten Commodities B.V. ★
Affiliate of the Schouten Group N.V. MAIN OFFICE: Burgstraat 12, P.O. Box 1, Giessen 4283 ZG, N. Brabant, NETHERLANDS; PH: 01832/1141; FAX: 01832/1615; TLX: 21159.
CONTACT: A.G. van der Werf, Dir., Trading Div.
EXPORTER: SOYAX & SOYAX-F raw materials for animal feeding; IMPORTER: soybeans.

NEW ZEALAND

Opco Industries Ltd. ★
17 Keeling Road, P.O. Box 21-123, Henderson, Auckland 8, NEW ZEALAND; PH: 64/9/837-0760; FAX: 64/9/837-0614; TLX: 21120.
CONTACT: Terry Lascelles, Sale Mgr.
Trading company; IMPORTER: Soybean vegetable oils.

NORWAY

Norsk Hydro Electrolysers ★
P.O. Box 70, Notodden N-3671, NORWAY; PH: 47/36-17100; FAX: 47/36-12003; TLX: 21124 (HYDRO N).
Other Offices: Chester, ENGLAND
CONTACT: Per H. Claussen, Mkting. Mgr.
Hydrogen generation equipment.

Stord International A.S. ★★
Affiliate of Aker
C. Sundtsgt. 29, P.O. Box 777, Bergen 5001, NORWAY; PH: 47/5/210400; FAX: 47/5/210444; TLX: 42051 (STOBA).
Other Offices: Greensboro, NC (Stord Inc.); Tokyo, JAPAN (Stord Japan Ltd.); Bangkok, THAILAND (Stord Thailand Co. Ltd.)
CONTACT: Per Mathismoen, Dir., Mkting.
Drying & aeration equipment, grain dryers, meal dryers; presses, continuous screw.

PHILIPPINES

Daily Harvest Manufacturing & Marketing Corp.
21st Railroad Street, Port Area, P.O. Box 1144, Manila, PHILIPPINES; PH: 408245; TLX: 63240 (ETPPDR PN).
CONTACT: Singker U. Siahetiong, Sales Mgr.
IMPORTER: Red soy oil from Singapore.

Equipro Indutrial Company Inc. ★★
Affiliate of Compagnie Financière De Smet S.A.
119 Amorsolo Street, Don Pablo Building, Room 300, Legaspi Village, Makati, Metro Manilla, PHILIPPINES; PH: 63/2/817-3728; FAX: 63/2/817-642; TLX: 66607 (EQO PN).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: L. Nepomuceno, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/ roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/ screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillationequipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

PORTUGAL

TAGOL S.A. ★
Campo Grande, 28-6º, Lisbon 1700, PORTUGAL; PH: 351/1/767521; FAX: 765079; TLX: 14187 (TAGOL P).
CONTACT: Manuel Mourão, Vice Pres.
EXPORTER: Soybean meal, fully refined soybean oil, shortenings; margarines; IMPORTER: Soybeans.

Transcomércio, Companhia de Comércio Internacional, S.A.
Rua Tierno Galvan, Torre 3 - 16º B, Lisbon 1200, PORTUGAL; PH: 351/1-651700; FAX: 653314; TLX: 65816 (SCOMER P).
CONTACT: Fernando Nunes, Dir.
Trading company; IMPORTER: Soybean meal/pellets.

SAUDI ARABIA

Saudi Davy Company Ltd.
Alfadl Building, Suite 4, P.O. Box 1006, Dammam, SAUDI ARABIA; PH: 834-4277; FAX: 834-3057; TLX: 6052615 (DAVY DM).
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout; engineering services.

SINGAPORE

Alfa-Laval South East Asia Pte. Ltd. ★
Affiliate of Alfa Laval Food Engineering AB (Sweden)
No. 11, Joo Koon Circle, Jurong 2262, SINGAPORE; PH: 65/862-2711; FAX: 65/862-3072; TLX: RS 0100 (ALFAVAL).
Other Offices: Lund, SWEDEN (Alfa-Laval Food Eng. AB)
CONTACT: Monica Kjellker Gimre, R & D Mgr.
Centrifuges; heat exchangers; soymilk & tofu equipment & supplies; soy protein equipment & supplies; cleaning/sanitizingequipment & supplies; analytical laboratories; computer process control, programming, software; consultants, product development; engineering services.

See Our Advertisement P. 135

De Smet (Engineering) S.E. Asia Pte. Ltd. ★★
Affiliate of Compagni Financière De Smet S.A.
11 Dhoby Ghaut, #13-10 Cathay Building, Singapore 0922, SINGAPORE; PH: 65/337-1488; FAX: 65/336-0278; TLX: 55274 (DSS ENG).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: K. Knorpp, Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers,grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

See Our Advertisement P. 262

Hong Guan Huat Kee ★
No. 2, Lorong 24A, Geylang Road, Singapore 1439, SINGAPORE; PH: 65/744-4808 or 744-5711; FAX: 65/747-8533.
CONTACT: Ng Yew Cheng, Asst.
Soybean seed supplier; supplier of soybeans for food use.

SOUTH AFRICA

Chempro (Pty) Ltd. ★
A Division of Protea Chemicals Ltd.
249 Dyson Road, Wadeville Ext. 1, Private Bag 14786, Wadeville 1422, SOUTH AFRICA; PH: 27/11/824-2020; FAX: 27/11/824-2820; TLX: 743811.
Other Offices: Cape Town, Durban, Port Elizabeth, SOUTH AFRICA
CONTACT: Henk Egberink, Man. Dir.
Trading company; supplier of soybeans for food use; IMPORTER: Soy flour, concentrates, fiber & isolates.

Davy South Africa (Pty.) Ltd.
Parktown 2193, P.O. Box 8608, Johannesburg 2000, SOUTH AFRICA; PH: 27/11/643-6964; FAX: 27/11/484-1007; TLX: 422496 or 425130.
CONTACT: Mr. Millman
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.

SPAIN

Cereol Iberica, S.A. (Keisa) ★★
P.O. Box 582, El Burgo, La Coruña 15080, SPAIN; PH: 34/81/66.12.50; FAX: 34/81/66.38.11.
CONTACT: Ramon Pitarque, Mgr.
Air classifiers; aspirators, instruments/instrument systems, gain analyzers; moisture testers; oil/protein/fiber analyzers; soybean storage equipment and supplies, elevator and silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers; flaking & cracking equipment; presses; solvent extraction equipment; solvents; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; filter presses; heat exchangers; refining/neutralization equipment, conventional caustic; soapstock equipment; winterization equipment; analytical laboratories.EXPORTER: Soybean meal; soybean oil; lecithin; deodorizer distillates; IMPORTER: Soybeans.

De Smet Espana S.A. ★★
Affiliate of Compagnie Financière De Smet S.A.
Colombia 64-7ª A, Madrid 28016, SPAIN; PH: 34/1/415-8100; FAX: 34/1/415-8150; TLX: 22495 (DESPA E).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: A. Parres, gr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

SWEDEN

Alfa-Laval Food Engineering A.B. ★
MAIN OFFICE: Bryggaregatan 23, P.O. Box 64, S-221 00 Lund, SWEDEN; PH: 46/46/105000; FAX: 46/46/115367; TLX: 33225 (ALLUND S).
Other Offices: SINGAPORE (Alfa-Laval S.E.A.)
CONTACT: Göran Leufstedt, Bev. Div.
Instrument/instrument systems, flow measurement; centrifuges; heat exchangers; soymilk & tofu equipment & supplies; soy protein equipment & supplies; cleaning/sanitizing equipment & supplies; computer process control, hardware, programming, software; engineering services.

See Our Advertisement P. 135

★ Updated Listing
★★ New Listing

Alfa-Laval Food Engineering A.B. ★
Fats & Oil Division, Tumba S-147 80, SWEDEN; PH: 46/753-65000; FAX: 46/753-39582; TLX: 10260 (ALSTO S).
CONTACT: Dept. FR
Bleaching & filtering equipment; degumming equipment; deodorization equipment; fat splitters; filter presses; heat exchangers; hydrogen generation equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, conventional caustic, physical; soapstock equipment; winterization equipment.

Kamas Industri AB ★
Verkstadsgatan, Vellinge S-235 82 , SWEDEN; PH: 46/40-420750; FAX: 46/40-424168; TLX: 32443 (KAMAS S)
CONTACT: Leif Christensson, Pres.
Air classifiers; aspirators; bagging equipment; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; instruments/instrument systems, automatic samplers.

Lactosoy Research ★★
P.O. Box 19002, S-25019 Helsingborg, SWEDEN; PH: 46/42/92776; FAX: 46/42/92705.
CONTACT: Anders Lindner
Consultants, equipment (soy[illegible]), industrial processes (soymilk).

AB Pellerin/Zenith ★
Lenngrensgatan 7, P.O. Box 3009, Helsingborg S-250 03, SWEDEN; PH: 046/42/146240; FAX: 46/42/146240 or 122770; TLX: 72429 (ZENITH).
CONTACT: Yngve Hoffmann, Man. Dir.
Bleaching & filtering equipment; refining/neutralization equipment, chemical.

AB Svegma ★
Skara vägen 20, P.O. Box 400, Kvänum 53500, SWEDEN; PH: 0512/92410; FAX: 0512/92111.
CONTACT: Frederick Brian, Export Sales Mgr.
Elevator & silo storage; drying & aeration equipment, conditioners & coolers, grain dryers; meal handling equipment, hammer mills, mixing equipment (dry); heat exchangers.

SWITZERLAND

ACSAL S.A. ★
Affiliate of Unilever PLC London
38 Petit Chêne, P.O. Box 60, Lausanne 1001, SWITZERLAND; PH: 021/20-10-91; FAX: 021/20-10-97; TLX: 454545 (ACS CH).
Other Offices: São Paulo, BRAZIL (Gessy Lever Alimentos S.A.)
CONTACT: Gerhard de Buys Rossingh, Gen. Mgr.
Trading company; EXPORTER: Soybeans, soybean oil, soybean meal, soybean meal pellets.

Vegoil Trading Company Ltd.
Baarerstrasse 69, P.O. Box 2007, Zug CH-6302, SWITZERLAND; PH: 42/223607; FAX: 42/223282; TLX: 865265 (HAND CH).
CONTACT: Peter Suter, Trader
Trading company.

TAIWAN

Food Industry Research & Development Institute ★
331 Food Road, P.O. Box 246, Hsinchu 30038, TAIWAN; PH: 886/035/223191; FAX: 886/035/214016.
CONTACT: Yin-Yin Liu, Dir.
Analytical laboratories; computer process control, hardware, programming, software; consultants, industrial processes, product development; contract research (pilot scale); inspection services.

Fwu Sow Grain Products Company, Ltd. ★
Taichung Harbor Plant, 98, Zih-Cheon Road, Wu-Chih, Taichung 433, TAIWAN; PH: 886/046/362111; FAX: 886/046/358-566; TLX: 22237 (FWU SOW).
Other Ofices: Taipei, TAIWAN (mfg.)
CONTACT: H. Y. Wang, Vice Pres.
EXPORTER: Soybean lecithin; IMPORTER: Soy flour, lecithin & salad oil.

Goodwin Engineering & Trading, Inc.
6F, No. 102, Sec. 2, Chung Shan N. Road, P.O. Box 68-1496, Taipei 10449, TAIWAN; PH: 886/2/541-1848; TLX: 28815 (GOODWINC).
CONTACT: Stanley Li, Man. Dir.
Dust control systems & supplies; instruments/instrument systems, material level; soybean storage equipment & supplies, elevator & silo storage; cookers/extruders; meal handling equipment, hammer mills, mixing equipment (dry), pelletig equipment.

Great Wall Enterprise Company Ltd. ★
No. 3, Niao-Sung 2nd Street, Niao-Sung Village, Yung-Kung Hsiang, Tainan Hsien 710, TAIWAN; PH: 886/06/253-1111; FAX: 886/06/253-1686; TLX: 71351 (GREATAL).
CONTACT: John C. Ou, Mgr.
Trading company; EXPORTER: Crude & refined soy oil, soy meal, lecithin, soy concentrates; IMPORTER: Soybeans.

I-Tung Machinery Industry Company, Ltd.
No. 15, Lane 523, Cheng Teh Road, Taipei 10323, TAIWAN; PH: 886/2/594-2116; TLX: 13381 (ITUNGMAC).
CONTACT: L. S. Lee, Pres.
Bags, bagging equipment; dust control systems & supplies; scales; soybean storage equipment & supplies, elevator & silo storage.

President Enterprises Corp.
301 Chung-Cheng Road, Yan Harng, Yeong Kang Shiang, Tainan Hsien 71007, TAIWAN; PH: 886/6/253-2121; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Gen. Mgr.
EXPORTER: Soy sauce, soy milk; IMPORTER: Soybeans.

Ta Ti Hsing Machinery Company, Ltd.
No. 181 Yu San Street, P.O. Box 11, Taoyuan 33038, TAIWAN; PH: 886/33/618525 or 621848 or 622907; TLX: 25668 (RUTANTPE).
CONTACT: C. W. Cho, Gen. Mgr.
Cookers/extruders; presses, continuous screw, hydraulic; soymilk & tofu equipment & systems.

Wan Jia Shiang Brewery Company Ltd.
80-1, Hope Street, Sun Chung City, Taipei, TAIWAN; PH: 886/2/995-6622; TLX: 25852 (JOY TW).
Other Offices: Middletown, NY
CONTACT: Jen-Chun Wu, Vice Pres.
EXPORTER: Soy sauce.

THAILAND

Hoecheong International Trading Company Ltd.
Sitthivorakit Bldg, 13th floor, No. 5, Soi Pipat, Silom Rd., G.P.O. Box 1386, Bangkok 10501, THAILAND; PH: 713/235-2895; FAX: 713/236-1920; TLX: 82858 (HOECO TH).
Other Offices: PEOPLE'S REPUBLIC OF CHINA; SINGAPORE; HONG KONG; AUSTRALIA
CONTACT: Jason Wong, Gen. Mgr.
Trading company; IMPORTER: Soybean meal, isolated soybean, protein powder.

Patum Vegetable Oil Company, Ltd.
733/23 Charansanitwong Road, Bangkok 10700, THAILAND; PH: 66/2/424-1165; TLX: 086-82431 (PATUM TH).
Other Offices: Lardlumkaew, Patumthanee
CONTACT: Prakit Triyanond, Gen. Mgr.
Trading company; EXPORTER: Fully

refined soybean oil, soybean acid oil/ fatty acid distillate; IMPORTER: Crude degummed soybean oil.

Thanakorn Vegetable Oil Products Company, Ltd.

99 Soi Thanakorn, Phra Samutjedi Road, Samutprakayn 10290, THAILAND; PH: 66/2/438-9319; FAX: 66/2/425-8938; TLX: (TH) 82940 (POON PHOL).
Other Offices: Bangkok, THAILAND
CONTACT: Yook Mahaisiriyodom, Raw Material Mgr.

TURKEY

Bag Yaglari Sanayi ve Ticaret T.A.S.

Affiliate of Bagiai Yag Sanayi Tesisleri Isletmecligi
1520 Sokak No. 36, P.O. Box 15, Izmir 35230, TURKEY; PH: 90/51/223621 (4 lines); FAX: 90/51/219181; TLX: 52221 (GML).
CONTACT: Ruso Moris, Man. Dir.
Aspirators; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; cookers/extruders/roasters; dehulling equipment; solvent extraction equipment; condensers; solvent extraction distillation equipment; bleaching & filtering equipment; crude oil storage (tanks); deodorization equipment; filter presses; heat exchangers; refining/neutralization equipment, conventional caustic, physical; winterization equipment.

Step Ltd. STI ★★

Affiliate of Compagnie Financière De Smet S.A.
Miralay Sefik Bey Sokak 19/2, Gumussuyu, Taksim, Istanbul, TURKEY; PH: 90/1/149-5325; FAX: 90/1/145-5872; TLX: 25073 (DST TR).
Other Offices: Antwerp, BELGIUM (Extraction De Smet S.A.); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: B. Couteaux, Mgr.
Soybean storage equipment & supplies, uildings (flat storage), elevator & silo storage; cookers/extruders/ roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw, hydraulic; screeners/ screening equipment; solvent extraction equipment; condensers; flake desolventizers, normal; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, caustic/alkali suppliers, physical; soapstock equipment; waste water treatment equipment; analytical laboratories; computer process control, hardware, programming, software; construction contractors, complete plants; contract research (pilot scale); engineering services; inspection services.

UNITED SOVIET SOCIALIST REPUBLIC (U.S.S.R.)

Davy Corporation plc.

Pokrowsky Boulevard, 4/17 g Corpus 3, Moscow 101000, U.S.S.R.; PH: 230-2655; FAX: 230-2655; TLX: 413260.
CONTACT: G. W. Howe
Solvent extraction equipment; condensers; flake desolventizers, flash/ vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services; inspection services.

UNITED STATES OF AMERICA (U.S.A.)

A.G.M.E. International Corp.

P.O. Box 1510, West Caldwell, NJ, 07007 U.S.A.; PH: 201/226-9369; FAX: 201/228-4088.
CONTACT: Manny Eijadi, Pres.
Consultants, equipment, plant layout, industrial processes, product development; engineering services; inspection services; spent catalyst recyclers; weighing services & surveys. Marketing consultant.

A-Lert Corporation

401 N. 6th Street, P.O. Box 531, Fredonia, KS, 66736-0531 U.S.A.; PH: 316/378-4401; FAX: 316/378-4135.
CONTACT: Laurel D. McClellan, Pres., Millwright Div.
Construction contractors, complete plants

Abel, Daft & Earley ★

1410 King Street, Alexandria, VA, 22314 U.S.A.; PH: 703/739-9090; FAX: 703/739-9098.
CONTACT: Martin E. Abel, Pres.
Marketing consultant; publications/ informational services.

Abel Manufacturing Company, Inc. ★

1100 N. Mayflower Drive, P.O. Box 757, Appleton, WI, 54915 U.S.A.; PH: 414/734-4443; FAX: 414/734-1084.
CONTACT: Donald H. Abel, Sr., Pres. or Donald B. Abel, Vice Pres.
Instruments/instrument systems, flow measurement, control; loading & unloading equipment, railroad, truck; scales; soybean storage equipment & supplies, elevator & silo storage; computer process control, hardware, programming, software; consultants, plant layout.

Abrasion Engineering, Inc.

5626 Maxwell, St. Louis, MO, 63123 U.S.A.; PH: 314/352-8316.
CONTACT: David E. Altis, Pres.
Conveyors (drag or en masse), ceramic lined screw conveyors and troughs.

Abripro Biosciences Inc. (ABI) ★★

6700 Antioch, P.O. Box 2955, Shawnee Mission, KS, 66213 U.S.A.; PH: 913/384-4940; FAX: 913/384-0208.
CONTACT: Tim Ream, Oilseeds Business Mgr.
Soybean breeder; soybean seed supplier. EXPORTER: Soybean varieties; soybean seed.

ACI Industries, Ltd. ★

5900 Crandale Drive, Dublin, OH, 43017 U.S.A.; PH: 614/764-8566; FAX: 614/764-7803; TLX: (MCI) 697-2239 (ACI UW).
Other Offices: Brussels, BELGIUM
CONTACT: Helen Harper, Comm. Dir.
Handling & reclamation of waste streams & spent catalysts.

Adasco, Inc. ★

4400 West Arm Road, P.O. Box 494, Spring Park, MN, 55384 U.S.A.; PH: 612/471-0672.
Air classifiers; commercial grain cleaners; dust control systems & supplies; screeners/screening equipment; used equipment; consultants, plant layout.

Should *YOUR COMPANY* Be Listed In The '92 Soya Bluebook?

★ Updated Listing
★★ New Listing

Advanced Foods Systems ★
69 Veronica Avenue, Somerset, NJ, 08873 U.S.A.; PH: 201/828-7878; FAX: 201/828-5938.
CONTACT: Yonkeun Joh, Pres.
Consultants, plant layout, product development; contract research (pilot scale).

Aeroglide Corporation ★
P.O. Box Aeroglide, Raleigh, NC, 27626-0505 U.S.A.; PH: 919/851-2000; FAX: 919/851-6029.TLX: 579421 (AEROGLIDE RAL).
CONTACT: Hal E. Bland, Mgr., Bus. Dev.
Drying & aeration equipment, grain dryers.

Ag Marketing Services, Inc.
220 East Main Street, Box 1176, Mankato, MN, 56001 U.S.A.; PH: 507/625-1241; FAX: 507/625-4050.
CONTACT: Leny Louwagie, Pres.
Financial, economic forecaster; marketing consultant; publications/ informational services.

Ag-Bag Corporation ★
2320 S.E. Ag-Bag Lane, Warrenton, OR, 97146 U.S.A.; PH: 503/325-2488; FAX: 503/325-2666; TLX: 151034.
CONTACT: Jeanne Seppa, Adv. Coordinator
Bags, bagging equipment (grain bagging).

Ag-Data, Inc.
218 E. Center Street, P.O. Box 707, Sikeston, MO, 63801 U.S.A.; PH: 314/471-0081.
CONTACT: Sammy C. Flagg, Pres.
Broker, futures; financial, commodity hedger, economic forecaster; marketing consultant.

Agmet Metals, Inc. ★
P.O. Box 39338, Solon, OH, 44139 U.S.A.; PH: 216/439-7400; FAX: 216/439-7446; TLX: (EASYLINK) 469801.
CONTACT: Dennis J. Dunagan, Sales Mgr.
Spent catalyst recyclers. Marketing consultant; transportation, trucking firm; warehousing: export/import, U.S. interior port.

Agra Erectors, Inc.
5352 Sebring Warner Road, P.O. Box 635, Greenville, OH, 45331 U.S.A.; PH: 513/548-6338.
CONTACT: Greg A. Swabb, Pres.
Air classifiers; aspirators; bags, bagging equipment; dust control systems & supplies; loading & unloading equipment, barge, railroad, ship, truck; scales; soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; drying & aeration equipment, grain dryers; meal handling equipment, hammer mills, mixing equipment (dry), pelleting equipment, pulverizing equipment; used equipment; construction contractors, complete plants; consultants, equipment, plant layout.

Alabama State Docks Public Grain Export Elevator ★
P.O. Box 1588, Mobile, AL, 36633 U.S.A.; PH: 205/690-6063; FAX: 205/690-6667.
Other Offices: New York, NY; Chicago, IL; Birmingham, AL
CONTACT: Hal Hudgins, Grain Mktng. Mgr.
Warehousing: export/import, ocean port terminal.

All-State Belting Company
1824 Industrial Circle, W. Des Moines, IA, 50265 U.S.A.; PH: 515/223-5843; FAX: 515/223-8305.
Other Offices: Charlotte, NC; Dallas, TX
CONTACT: Andrew J. Flynn, Inside Sales Mgr.
Conveyor belting.

Amber, Inc. ★
220 White Plains Road, Tarrytown, NY, 10591 U.S.A.; PH: 914/332-5550; FAX: 914/332-1480; TLX: (WU) 317784 (AMBER TARY).
CONTACT: Philip C. Horldt, Pres.
Trading company; EXPORTER: Crude degummed soybean oil; refined, bleached, deodorized soybean oil.

American Colloid Company ★
1500 W. Shure Drive, Arlington Heights, IL, 60004 U.S.A.; PH: 708/392-4600; FAX: 708/506-6167; TLX: (ITT) 433-0321.
Other Offices: Letohatchee, AL; Mounds, FL (Adsorbent Clay Products); Aberdeen, MS; Lovell, WY
CONTACT: Robert Steele, Vice Pres., Sales & Mktng.
Anti-caking agents; bleaching clays/ earths; waste water treatment equipment.

See Our Advertisement P. 144

American Commercial Barge Line Company ★
1701 E. Market Street, P.O. Box 610, Jeffersonville, IN, 47130 U.S.A.; PH: 812/288-0100; FAX: 812/288-1664.
CONTACT: Alan B. Hecht, Sr. Dir., Grain Freight Sales
Transportation, barge line.

American Drying Systems, Inc. ★★
Affiliate of Atlas Metal Industries, Inc.
1135 N.W. 159th Drive, Miami, FL, 33169 U.S.A.; PH: 305/625-2451; FAX: 305/623-0475.
CONTACT: James Thompson, Man. Dir.
Drying & aeration equipment, grain dryers.

American Feed Ingredients, Inc. ★
5120 Paddock Village Ct., Suite B-21, P.O. Box 2267, Brentwood, TN, 37027 U.S.A.; PH: 615/377-9844; FAX: 615/377-9848.
CONTACT: Richard S. Means, Pres.
Trading company.

American Lecithin Company ★
Affiliate of Nattermann Phospholipids Inc.
33 Turner Road, P.O. Box 1908, Danbury, CT, 06813-1908 U.S.A.; PH: 203/790-2700; FAX: 203/790-2705.
CONTACT: Randy Zigmont, Pres.
Antioxidants; emulsifiers.
EXPORTER: Lecithin.

Anacon
117 South Street, Hopkinton, MA, 01748 U.S.A.; PH: 508/481-7888; FAX: 508/435-6677.
CONTACT: Brian Conway, Sales Mgr.
Instruments/instrument systems, moisture testers, oil/protein/fiber analyzers.

Anderson International Corp. ★
6200 Harvard Avenue, Cleveland, OH, 44105 U.S.A.; PH: 216/641-1112; FAX: 216/641-0709; TLX: (ITT) 980259 (ANDERINTL CLV).
CONTACT: Vincent J. Vavpot, Dir., Mktng.
Cookers/extruders/roasters; drying & aeration equipment, grain dryers, meal dryers; presses, continuous screw.

See Our Advertisement P. 9

Andritz Spout Bauer, Inc. ★★
Affiliate of Andritz, Austria
Sherman Street, Muncy, PA, 17756 U.S.A.; PH: 717/546-8211; FAX: 717/546-1140; TWX: 841411.
CONTACT: Gary Staggs, Vice Pres., Mktng.
Aspirators; loading & unloading equipment, railroad; cookers/extruders/ roasters; drying & aeration equipment, conditioners & coolers; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; screeners/ screening equipment; waste water treatment equipment.

APM Technology Inc.
78 Main Street, P.O. Box 575, Madison, NJ, 07940-0575 U.S.A.; PH: 201/966-1245; FAX: 201/966-1651.
CONTACT: Joseph Sciaretta, Pres.
Air classifiers; dust control systems & supplies; meal handling equipment, mixing equipment (dry); milling equipment supplies, spare parts & repair; screeners/screening equipment; solvent extraction distillation equipment; filter presses; analytical laboratory equipment; waste water treatment equipment.

APV Crepaco, Inc. ★
Affiliate of APV plc
MAIN OFFICE: 100 S. CP Avenue, Lake Mills, WI, 53551 U.S.A.; PH: 708/678-4300; FAX: 708/678-4407.
Other Offices: Lake Mills, WI; Tonawanda, NY; Attleboro Falls, MA; Austin, TX; SALES OFFICES: Chicago, IL; Los Angeles, CA; Dallas, TX; Nashville,

TN; Montvale, NJ
CONTACT: R. A. Johnston, Vice Pres., Sales & Mkting.
Conveyors (drag or en masse); cookers/extruders/roasters; drying & aeration equipment, meal dryers; meal handling equipment, mixing equipment (dry); solvent extraction equipment; condensers; solvent extraction distillation equipment; agitators (liquid); deodorization equipment; fatty acid distillation equipment; heat exchangers; margarine equipment; shortening equipment; soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies; soy protein equipment & supplies; waste water treatment equipment; computer process control, hardware, programming, software; construction contractors, complete plants; consultants, equipment, industrial processes, plant layout, product development.

APV Crepaco Inc., Dryer Division
Affiliate of APV Crepaco, Inc.
165 John L. Dietsch Square, Attleboro Falls, MA, 02763 U.S.A.; PH: 508/695-7014; FAX: 508/695-7018; TLX: 927-634.
CONTACT: Stewart Gibson, Sales Mgr.
Coolers, fluidized bed.

Arista Industries, Inc. ★
1092 Post Road, Darien, CT, 06820 U.S.A.; PH: 203/655-0881; FAX: 203/656-0328; TLX: 996493 (HACKBEN DARN).
CONTACT: Charles Hillyer, Vice Pres.
Trading company; transportation, ocean freight line, trucking firm; warehousing: export/import, U.S. interior port; EXPORTER: Refined soybean oil; epoxidized soybean oil; partially hydrogenated soybean oil.

Arrowhead Marketing Services Inc. ★
5155 E. 51st Street, Suite 110, Tulsa, OK, 74135 U.S.A.; PH: 918/665-3303; FAX: 918/665-6548.
CONTACT: Jerry H. Snedden, Vice Pres., Mkting. & Sales
Solvents; caustic/alkali suppliers. Forwarding agent.

Artisan Industries, Inc.
73 Pond Street, Waltham, MA, 02254-9193 U.S.A.; PH: 617/893-6800; FAX: 617/647-0143.
CONTACT: Craig W. Angell, Vice Pres.
Solvent extraction equipment; solvent extraction distillation equipment; waste water treatment equipment; consultants, equipment, industrial processes; engineering services.

ASI Instruments, Inc. ★
8570 Katy Freeway, Suite 116, Houston, TX, 77024 U.S.A.; PH: 713/461-4535 or 800/245-7056; FAX: 713/461-7348.
CONTACT: Bill Walker, Gen. Sales Mgr.
Instruments/instrument systems, material level.

Associated Laboratories
806 North Batavia, Orange, CA, 92668 U.S.A.; PH: 714/771-6900; FAX: 714/538-1209.
CONTACT: Henry M. Espoy, Vice Pres.
Analytical laboratories.

Atomergic Chemetals Corporation ★
222 Sherwood Avenue, Farmingdale, NY, 11735-1718 U.S.A.; PH: 516/694-9000; FAX: 516/694-9177; TLX: 6852289.
CONTACT: Paula Weiss, Mkting. Mgr.
Refining/neutralization equipment, chemical; antioxidants; emulsifiers.

The Austin Company - Process Division ★
Affiliate of The Austin Company
2001 Rand Road, Des Plaines, IL, 60016 U.S.A.; PH: 708/391-4300; FAX: 708/391-4546.
CONTACT: S.A. Brown, Chief Process Engineer
Construction contractors, complete plants.

Automatic Equipment Mfg. Company
One Mill Road, P.O. Box P, Pender, NE, 68047 U.S.A.; PH: 402/385-3051; FAX: 402/385-3360.
CONTACT: Jay Hesse, Pres.
Flaking & cracking equipment; milling equipment supplies, spare parts & repair (roller mills).

Autoprod, Inc. ★★
Affiliate of the Aluminum Company of America
5355 115th Avenue, No., Clearwater, FL, 35620 U.S.A.; PH: 813/572-7753; FAX: 813/572-8298.
CONTACT: Paul De Socio, Pres.
Soyfoods packaging equipment & supplies.

B.N.W. Industries ★
Division of Lee E. Norris Const. & Gr. Co. Inc.
Route #1, Box 341, Mentone, IN, 46539 U.S.A.; PH: 219/353-7855; FAX: 219/353-8152.
CONTACT: Lee Norris, Pres.
Drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers.

Charles V. Bacon, Inc.
P.O. Box 97, Marrero, LA, 70073 U.S.A.; PH: 504/347-1468; TWX: 810-951-5260 (CHARBACON MARR); FAX: 504/340-3943.
Other Offices: Irvington, NJ; Galena Park, TX; Lemont, IL
CONTACT: Jack Riley, Vice Pres.
Analytical laboratories; inspection services, weighing services & surveys.

H. J. Baker & Bro., Inc. ★
100 East 42nd Street, Pershing Square Building, New York, NY, 10017 U.S.A.; PH: 212/867-0200; FAX: 212/370-1639; TLX: (ITT) 420944 (HJBA) or (MCI) 620268 (HJBAK) or (WUI) 12487 (HJBA).
Other Offices: Atlanta, GA; Oak Brook, IL; Little Rock, AK
CONTACT: K. E. Mayer, Mgr., Fats & Oils Dept.
Broker; trading company.

Baker Ruliman Mfg. Inc.
4 East Main Street, P.O. Box 67, Watertown, WI, 53094 U.S.A.; PH: 414/261-8107; FAX: 414/261-0425.
Other Offices: Washington, IL; Springfield, OH
CONTACT: Robert Park, Regional Sales Mgr.
Soybean storage equipment & supplies, buildings (flat storage); elevator & silo storage; construction contractors, complete plants; consultants, equipment, plant layout; engineering services.

BAR N.A., Inc. ★
205 S. Main Street, P.O. Box 190, Seymour, IL, 61875 U.S.A.; PH: 217/687-4810; FAX: 217/687-4830; TLX: 754477 (BAR NA UD).
CONTACT: Julie Ohlsson, Admin. Asst.
Air classifiers; aspirators; bags, bagging equipment; commercial grain cleaners; conveyors (drag or en masse); instruments/instrument systems, moisture testers; cookers/extruders/roasters; dehulling equipment; meal handling equipment, mixing equipment (dry), pulverizing equipment; milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment; agitators (liquid); bleaching & filtering equipment; centrifuges; degumming equipment; filter presses; heat exchangers; soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies; soy protein equipment & supplies; used equipment; construction contractors, complete plants; contract research (pilot scale).EXPORTER: Natural and certified organic mechanically pressed soy oil and stone-ground soy flour.

Bartlett and Company ★
4800 Main Street, Suite 600, Kansas City, MO, 64112 U.S.A.; PH: 816/753-6300; FAX: 816/753-0062; TLX: 510-601-6803 (BART GRAIN KSC).
CONTACT: Duncan Wilson, Merchandiser
Broker, cash/product; warehousing: export/import, bulk liquid storage.

Bauermeister, Inc. ★
4127 Willow Lake Blvd., Memphis, TN, 38118-7207 U.S.A.; PH: 901/363-0921 or 800/999-0921; FAX: 901/794-9679.
Other Offices: Hamburg, FEDERAL REPUBLIC OF GERMANY (Gebr. Bauermeister & Company)
CONTACT: Michael E. Olewinski, Vice Pres.
Flaking & cracking equipment; meal handling equipment, pulverizing equipment.

★ Updated Listing
★★ New Listing

Bean Machines, Inc. ★
P.O. Box 2122, Mill Valley, CA, 94242 U.S.A.; PH: 415/285-9411.
CONTACT: Wally Rogers, Pres.
Conveyors (drag or en masse); cookers/extruders/roasters; dehulling equipment; meal handling equipment, mixing equipment (dry), hammermills; milling equipment supplies, spare parts & repair; heat exchangers; soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies; soy protein equipment & supplies; used equipment consultants, equipment, plant layout, product development.

See Our Advertisement P. 138, 145

Beard Industries ★
R.R. #6, Box 19, Frankfort, IN, 46041 U.S.A.; PH: 317/654-8517; FAX: 317/654-8510.
CONTACT: William J. Beard, Pres.
Drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers.

Ken Becker Associates Inc.
38 Prairie Drive, Westmont, IL, 60559 U.S.A.; FAX: 708/969-2271.
CONTACT: Kenneth Becker, Pres.
Construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services.Financial, economic forecaster; marketing consultant.

Behlen Mfg. Company ★
East Highway 30, P.O. Box 569, Columbus, NE, 68602-0569 U.S.A.; PH: 402/564-3111; FAX: 402/563-7405; TLX: 6875051 (BHLEN UW).
CONTACT: Lyle Burbach, Mkting. Mgr., Ag. Prod. Div.
Conveyors (drag or en masse); instruments/instrument systems, control; loading & unloading equipment, railroad, truck; soybean storage equipment & supplies, building (flat storage), elevator & silo storage; drying & aeration equipment, grain dryers.

Benson-Quinn Company
1075 Grain Exchange Building (North), P.O. Box 15226, Minneapolis, MN, 55415-0226 U.S.A.; PH: 612/340-5900; FAX: 612/340-1416.
CONTACT: Laurence Neumann, CEO
Broker, futures; marketing consultant; trading company.

BEPEX
Affiliate of Berwind Corp.
3 Crossroads of Commerce, Rolling Meadows, IL, 60008 U.S.A.; PH: 708/506-0100; FAX: 708/506-0116.
Other Offices: Minneapolis, MN; Santa Rosa, CA
CONTACT: Tom Feldkamp, Vice Pres., Sales
Cookers/extruders/roasters; coolers, fluidized bed; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; meal handling equipment, hammer mills, mixing equipment (dry), pelleting equipment, pulverizing equipment; presses, continuous screw.

Bindicator ★
1915 Dove Street, P.O. Box 610009, Port Huron, MI, 48061-0009 U.S.A.; PH: 313/987-2700; FAX: 313/987-2700.
CONTACT: Peggy Bugaiski, Cust. Serv. Mgr.
Dust control systems & supplies; instruments/instrument systems, control, material level, warning systems; waste water treatment equipment.

Biofix Corporation ★
200 Provident Bank Building, Suite 200, Denton, TX, 76205 U.S.A.; PH: 817/382-2594; FAX: 817/387-2294; TLX: 730649 (EXPORTS).
Other Offices: Panama City, PANAMA; Monterrey, MEXICO; Madrid, SPAIN
CONTACT: Martin Blair, Pres.
Trading company; EXPORTER: Soybean seeds, soybean meal, and soybean lecithin.

Bock Engineered Products, Inc.
3600 Summit Street, P.O. Box 5127, Toledo, OH, 43611 U.S.A.; PH: 419/726-2645; FAX: 419/726-8583.
CONTACT: David Long, Vice Pres., Mkting.
Solvent extraction equipment (centrifuges); waste water treatment equipment (centrifuges).

Bollheimer & Associates, Inc. ★
P.O. Box 12551, P.O. Box 12551, Memphis, TN, 38182 U.S.A.; PH: 901/726-4829; FAX: 901/726-7559.
CONTACT: Philip Bollheimer, Pres.
Computer process control, hardware, programming, software; consultants, equipment, plant layout; engineering services.

Borton, Inc. ★
200 E. 1st Street, P.O. Box 2108, Hutchinson, KS, 67504-2108 U.S.A.; PH: 316/669-8211; FAX: 316/662-3225.
CONTACT: Jon Herrmann, Sales Mgr.
Soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; construction contractors, complete plants, protein plants.

BPM Industries ★
1150 Junction Avenue, Schererville, IN, 46375 U.S.A.; PH: 219/322-2560 or 800/428-3311; FAX: 219/322-8533.
Other Offices: Cleveland, OH
CONTACT: John T. Hartman, Corp. Dir., Sales
Waste water treatment equipment, extraction plants, refineries; analytical laboratories; consultants; engineering services.

C. W. Brabender Instruments, Inc. ★
50 East Wesley Street, So. Hackensack, NJ, 07606 U.S.A.; PH: 201/343-8425; FAX: 201/343-0608.
CONTACT: Kathleen Gaito, Adv. Mgr.
Commercial grain cleaners; instruments/instrument systems, grain analyzers, moisture testers; cookers/extruders; drying & aeration equipment, grain dryers; meal handling equipment, mixing equipment (dry), pelleting equipment; analytical laboratory equipment.

Ross Brian and Associates ★
81 Country Club Drive, Danville, IL, 61832 U.S.A.; PH: 217/443-2605.
CONTACT: Ross Brian, Owner
Consultants, equipment, industrial processes, plant layout; engineering services.

Carl G. Brimmekamp & Company, Inc. ★
MAIN OFFICE: 5891 14th Avenue, N.W., Naples, FL, 33999 U.S.A.; PH: 813/566-2822.
Other Offices: San Francisco, CA; Stamford, CT; Houston, TX
CONTACT: Dieter Langendorf, Exec. Vice Pres.
Bags, bagging equipment; conveyors (drag or en masse); loading & unloading equipment, barge, ship; flaking & cracking equipment; milling equipment supplies, spare parts & repair.

See Our Advertisement P. 121

Carl G. Brimmekamp & Company, Inc. ★
537 Steamboat Road, Greenwich, CT, 06830 U.S.A.; PH: 203/622-6300; FAX: 203/622-6332; TLX: (WUD) 965955.
CONTACT: Carl G. Brimmekamp, Pres.
Bags, bagging equipment; conveyors (drag or en masse); loading & unloading equipment, barge, ship; flaking & cracking equipment; milling equipment supplies, spare parts & repair.

Richard A. Brock & Associates
2050 W. Good Hope Road, Milwaukee, WI, 53209 U.S.A.; PH: 414/351-5500; FAX: 414/351-3140.
CONTACT: Larry Graham, Exec. Vice Pres.
Marketing consultant; publications/informational services.

Brown Seed Enterprises ★★
Rt. 1, Box 358 A, Neoga, IL, 62447 U.S.A.; PH: 217/895-2335.
CONTACT: Dennis Brown, Gen. Mgr.
Soybean seed supplier; supplier of soybeans for food use; supplier of organically grown soybeans.

Buhler Inc. ★
1100 Xenium Lane, P.O. Box 9497, Minneapolis, MN, 55440 U.S.A.; PH: 612/545-1401; FAX: 612/540-9246.
CONTACT: Clemenz Bahr, Group Gen. Mgr.
Aspirators; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; loading & unloading equipment, barge, railroad, ship, truck; scales; cookers/extruders/roasters; coolers, fluidized bed; dehulling equipment; flaking & cracking equipment, pelleting equipment, pulverizing equipment; milling equipment, spare parts & repair; screeners/screening equipment.

See Our Advertisement P. 98

Business Trend Analysts, Inc. ★★
2171 Jericho Turnpike, Suite 200, Commack, NY, 11725 U.S.A.; PH: 516/462-5454; FAX: 516/462-1842.
Other Offices: Cleveland Heights, OH (Leading Edge Reports Inc.)
CONTACT: Michael Giudice, Gen. Mgr.
Marketing consultant; publication/informational services.

Buss (America), Inc. ★
Affiliate of Buss A.G., SWITZERLAND
230 Covington Drive, Bloomingdale, IL, 60108 U.S.A.; PH: 708/307-9900; FAX: 708/307-9905.
CONTACT: Edmund Meier, Prod. Mgr., Food Mach.
Cookers/extruders/roasters.

Cabotage Trading Company, Inc. ★★
205 W. Avenida Gaviota, Suite A, San Clemente, CA, 92672 U.S.A.; PH: 714/492-4503; FAX: 714/492-4503.
Other Offices: Mexico City, MEXICO
CONTACT: Jon S. Grund, CFO
Trading company; EXPORTER: Soymilk products (dry); soybeans [specialize in exporting to Mexico & Chile).

Caleb Brett U.S.A., Inc. ★
4300 Firestone Road, P.O. Box 10426, Jefferson, LA, 70181-0426 U.S.A.; PH: 504/733-6661; FAX 504/733-3518.
Other Offices: Hooguliet, NETHERLANDS (Caleb Brett & Son (Continentaal) B.V.)
CONTACT: Harvey P. Becnel, Mgr.
Bags, bagging equipment; dust control systems & supplies; instruments/instrument systems, flow measurement, grain analyzers, material level, quality control/metal detection, moisture testers, oil/protein/fiber analyzers, temperature monitors; loading & unloading equipment, barge, railroad, ship and truck; scales; analytical laboratories; inspection services.

Calgene Chemical, Inc. ★
Affiliate of Calgene, Inc.
600 E. Algonquin Road, Des Plaines, IL, 60016 U.S.A.; PH: 708/298-4000; FAX: 708/298-1519; TLX: 206168 (AGRO-ING).
CONTACT: Frank J. Flider, Gen. Mgr.
Broker, cash/product, futures.

California Pellet Mill Company (CPM) ★
MAIN OFFICE: 1114 E. Wabash Avenue, P.O. Box 647, Crawfordsville, IN, 47933 U.S.A.; PH: 317/362-2600; FAX: 317/362-7551.
Other Offices: Waterloo, IA
CONTACT: Lauren Reimer, Gen. Sales Mgr.
Meal handling equipment, pelleting equipment.

Callahan Enterprises, Inc.
Affiliate of Rhone Roulene Agro.
1122 E. 169th Street, Westfield, IN, 46074 U.S.A.; PH: 317/896-5551; FAX: 317/896-5558; TLX: 276127.
CONTACT: Lynn Croxton, Vice Pres.
Soybean breeder; soybean seed supplier; EXPORTER: Soybean varieties.

Calsicat ★
Affiliate of Mallinckrodt Specialty Chemicals Company
1707 Gaskell Avenue, Erie, PA, 16503 U.S.A.; PH: 814/870-3900; FAX: 814/456-7686; TLX: 914402.
CONTACT: Stephen Stempka, Sales Coord.
Hydrogenation catalysts.

See Our Advertisement P. 8, 146

CAMECO Industries, Honiron Division ★
400 S. Canal Street, P.O. Box 620, Jeanerette, LA, 70544 U.S.A.; PH: 318/276-6314; FAX: 318/276-6314.
Other Offices: Paris, FRANCE; Lelystad, NETHERLANDS
CONTACT: John L. Mestayer, Proj. Eng.
Conveyors (drag or en masse); solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; heat exchangers; oil dryers.

W. C. Cantrell Company ★
3245 May Street, P.O. Box 11216, Fort Worth, TX, 76110 U.S.A.; PH: 817/923-7382; FAX: 817/926-2009.
Other Offices: Cleveland, OH (Anderson Int'l.)
CONTACT: Don Berry, Sales Mgr.
Commercial grain cleaners; cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, meal dryers; meal handling equipment (hammer mills); milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment; used equipment; consultants, equipment, industrial processes, plant layout; engineering services.

Cargill Investor Services ★
Affiliate of Cargill, Inc.
141 West Jackson Blvd., Suite 1800, Chicago, IL, 60604 U.S.A.; PH: 312/435-8300; FAX: 312/435-8386; TLX: 256146 (CARINSERVE CTO).
Other Offices: Coral Gables, FL; Atlanta, GA; New York, NY; Minneapolis, MN; Kansas City, MO; Tokyo, JAPAN; London, ENGLAND; Paris, FRANCE; Seoul, KOREA; Geneva & Zurich, SWITZERLAND
CONTACT: Steve Assimos, Mgr., Ag. Crop Sector
Broker, futures.

Carter Day Company
Affiliate of Carter Day Industries
500 73rd Avenue, N.E., Minneapolis, MN, 55432 U.S.A.; PH: 612/571-1000; FAX: 612/571-3012; TLX: 201669.
Other Offices: Winnipeg, Manitoba, CANADA
CONTACT: Stephen L. Cashman, Vice Pres., No. Amer. Sales
Aspirators; commercial grain cleaners; screeners/screening equipment; engineering services.

Carter Manufacturing Company, Inc. ★★
Highway 123 South, P.O. Box 46, Ariton, AL, 36311 U.S.A.; PH: 205/762-2391; FAX: 205/762-2948.
Other Offices: Aulsuder, NC
CONTACT: Gil Robinson, Sales Mgr.
Aspirators; commercial grain cleaners; conveyors (drag or en masse); dust control systems & supplies; instruments/instrument systems, automatic samplers, material level; loading & unloading equipment, barge, railroad, ship, truck; soybean storage equipment & supplies, elevator & silo storage; computer process control, hardware, programming, software; construction contractors, complete plants; consultants, equipment,plant layout; engineering services.

Carver, Inc. ★
P.O. Box 814449, Dallas, TX, 75381-4449 U.S.A.; PH: 214/241-9440; FAX: 214/386-6506; TLX: (TRT)163338 (CARVER UT).
Other Offices: Memphis, TN; E. Bridgewater, MA
CONTACT: J. E. Lee, Pres.
Air classifiers; aspirators; dust control systems & supplies; dehulling equipment; flaking & cracking equipment; screeners/screening equipment; consultants, equipment, plant layout; contract research (pilot scale).

Cedar Heights Clay Company ★★
Affiliate of Resco Products, Inc.
P.O. Box 295, Oak Hill, OH, 45656-0295 U.S.A.; PH: 614/682-7794; FAX: 614/682-6438.
CONTACT: Steve Blankenbeker, Div. Engineer
Anti-caking agents.

Centrico, Inc. ★
100 Fairway Court, Northvale, NJ, 07647 U.S.A.; PH: 201/767-3900; FAX: 201/767-3416.
CONTACT: Karl Klein, Mgr., New Business Dev.
Centrifuges; degumming equipment; refining/neutralization equipment, conventional caustic, caustic/alkali suppliers.

See Our Advertisement P. 4

The Chantland Company ★
A Division of Douglas & Lomason Company
P.O. Drawer A, Humboldt, IA, 50548 U.S.A.; PH: 515/332-4040; FAX: 515/332-4923.
CONTACT: Richard D. Mattoon, Mkting. Mgr.
Bags, bagging equipment; conveyors (drag or en masse).

Chem-Staat Laboratories, Inc.
Doniphan & Francis Avenue, P.O. Box 789, Neosho, MO, 64850 U.S.A.; PH: 417/451-5973; FAX: 417/451-5478.
CONTACT: Garrett Staat, Jr., Pres.
Analytical laboratories.

Cherry-Burrell
A Unit of AMCA International Corp.
2400 Sixth Street, S.W., P.O. Box 3000, Cedar Rapids, IA, 52406 U.S.A.; PH: 319/399-3200; FAX: 319/399-3388; TLX: 298529 (CBCR UR).
CONTACT: Jack O'Brien, Dir., Mkting. Comm.
Cookers; heat exchangers.

Cherry-Burrell, Process Equipment Division ★
P.O. Box 35600, Louisville, KY, 40232 U.S.A.; PH: 502/491-4310; FAX: 502/499-3212.
CONTACT: Ed Wood, Adv. Mgr.
Cookers/extruders/roasters; deodorization equipment; heat exchangers; margarine equipment; shortening equipment.

Chew International
43 Fifth Avenue, New York, NY, 10003 U.S.A.; PH: 212/242-5242.
CONTACT: Ralph H. Chew, Pres.
Broker, cash/product; publications/informational services; EXPORTER: Soy shortening & soy oil; IMPORTER: Soybeans.

Chicago Board of Trade
141 W. Jackson, Chicago, IL, 60604 U.S.A.; PH: 312/435-3500; FAX: 312/341-3027; TLX: 253223.
CONTACT: Thomas Donovan, Pres.
Financial, futures exchange.

Chicago & North Western Transportation Company ★
1 North Western Center, Chicago, IL, 60606 U.S.A.; PH: 312/559-6842; FAX: 312/559-6495.
CONTACT: Donald Bergquist, Vice Pres., Sales & Mkting., Grain
Transportation, railroad company.

Chief Industries, Inc. ★
3942 W. Old Highway 30, P.O. Box 2078, Grand Island, NE, 68802-2078 U.S.A.; PH: 308/382-8820; TWX: 910-629-3713 (CHIEF IND GRID); FAX: 308/381-8475.
Other Offices: Fort Dodge, IA (mfg.); Rensselaer, IN (mfg.); Kearney, NB (Caldwell Mfg. Co.—offices & mfg.)
CONTACT: Rollie Stroh, Sr. Vice Pres./ Adv. Dir.
Soybean storage equipment & supplies, buildings (flat storage).

Chronos Richardson, Inc.
Formerly the Howe Richardson Company
403 Washington Blvd., Suite 15, Mundelein, IL, 60060 U.S.A.; PH: 708/566-7001; FAX: 708/566-7125.
CONTACT: John P. Igras, Area Sales Mgr.
Bags, bagging equipment; instruments/ instrument systems, control, flow measurement; scales.

Chronos Richardson, Inc. ★
Formerly the Howe Richardson Company
435 Hamburg Turnpike, Wayne, NJ, 07470 U.S.A.; PH: 201/595-7979; FAX: 201/595-5456.
Other Offices: Mundelein, IL
CONTACT: Lisa Jean Kackett, Mkting. Mgr.
Bags, bagging equipment; loading & unloading equipment, railroad, truck; scales.

Charles B. Chrystal Company, Inc. ★
25 Ann Street, New York, NY, 10038 U.S.A.; PH: 212/227-2151; FAX: 212/233-7916; TLX: 420803 (CBCC UI).
CONTACT: Peter D. Schnur, Pres.
Soymilk & tofu equipment & supplies (tofu cosgulant); soy protein equipment & supplies.

CMA Inc. ★
1120 Avenue of the Americas, 20th Floor, New York, NY, 10036 U.S.A.; PH: 212/382-1822; FAX: 212/382-2126.
Other Offices: Buenos Aires, ARGENTINA; Rio de Janeiro; São Paulo; Belo Horizonte; Brasilia; Curitiba; Florianopolis; Maringa; Porto Alegre; Salvador; Santos; Vitoria, BRAZIL; Madrid, SPAIN; Montevideo, URUGUAY
CONTACT: David Burgos, Controller
News wires, commodity (information & quotations).

Coalier Publishing Company
1060 Fulton Mall, Suite 1202, Fresno, CA, 93721 U.S.A.; PH: 209/237-1167; FAX: 209/237-4089.
CONTACT: Robert Corwin, Mkting. Mgr.
Publications/informational services.

CoBank, St. Louis Banking Center ★
Affiliate of CoBank
Eastern Div., Agri Business, Banking Group, 1415 Olive Street, P. O. Box 504, St. Louis, MO, 63166-0504 U.S.A.; PH: 314/342-3273; FAX: 314/342-3348.
CONTACT: James W. Fisher, Vice Pres.
Financial, banker.

Codema, Inc. ★
11790 Troy Lane, No., Minneapolis, MN, 55369-9377 U.S.A.; PH: 612/428-2266; FAX: 612/428-4411.
CONTACT: Steve W. Parker, Vice Pres.
Aspirators; conveyors (drag or en masse); dust control systems & supplies; loading & unloading equipment, barge, railroad, ship and truck; dehulling equipment; meal handling equipment, hammer mills; screeners/ screening equipment; used equipment.

Connell & Company ★★
Part of The Connell Company
MAIN OFFICE: 1100 Jorie Blvd., Suite 105, Oak Brook, IL, 60521 U.S.A.; PH: 708/574-7781; FAX: 708/574-7783.
Other Offices: Westfield, NJ
CONTACT: Bob Linden, Vice Pres. & Dir., Mkting. & Consulting
Broker, cash/product; financial, economic forecaster; marketing consultant.

Connell & Company ★
Part of The Connell Company
45 Cardinal Drive, Westfield, NJ, 07092 U.S.A.; PH: 908/233-0700; FAX: 908/233-1070.
Other Offices: Oak Brook, IL
CONTACT: Alfred Diaz, Vice Pres.
Broker, cash/product; financial, economic forecaster; marketing consultant.

Consolidated Grain and Barge Company ★
100 N. Broadway, 18th Floor, St. Louis, MO, 63102 U.S.A.; PH: 314/331-0500; FAX: 314/331-0506.
CONTACT: James Stitzlein, Mkting. Dev. Mgr.
Trading company; transportation, barge line; warehousing: export/import, U.S. interior port; supplier of soybeans for food use. EXPORTER: Soybeans; soybeans for food use.

Consolidated Rail Corporation (CONRAIL) ★
933 One Liberty Place, 1650 Market Street, Philadelphia, PA, 19103-7399 U.S.A.; PH: 215/851-7880; FAX: 215/851-7820.
CONTACT: M. R. Behe, Dir., Agriculture
Transportation, railroad company.

Continental Air Systems ★
Affiliate of Continental Conveyor & Equipment Co.
100 N. Travis, Suite 402, P.O. Box 1376, Sherman, TX, 75090 U.S.A.;

PH: 903/892-9143; FAX: 903/892-9147.
CONTACT: Paul Bodovsky, Gen. Mgr.
Dust control systems & supplies.

Continental Grain Company
277 Park Avenue, New York, NY, 10172 U.S.A.; PH: 212/207-5530; FAX: 212/207-5261.
Other Offices: Guntersville, AL
CONTACT: Ronald L. Anderson, Sr. Vice Pres. & Gen. Mgr.
Trading company; EXPORTER: Soybean oil & meal.

Control Enterprises, Inc. ★
Professional Commerce Centre, 1808 Woodfield Drive, P.O. Box KK, Savoy, IL, 61874 U.S.A.; PH: 217/351-3117; FAX: 217/351-8576.
CONTACT: Charles E. Isdale, Pres.
Instruments/instrument systems, control; computer process control, software, programming; consultants, industrial processes; engineering services.

Cooperative Elevator of Greenwood ★
2000 Garrard Avenue, P.O. Box 392, Greenwood, MS, 38930 U.S.A.; PH: 601/453-5423.
Other Offices: Philipp, MS (Cooperative Elevator)
CONTACT: Lester A. Shipley, Jr., Gen. Mgr.
Broker, cash/product; warehousing: export/import, U.S. interior port.

The Core Team ★
904 Rue de la Paix, Hammond, LA, 70403 U.S.A.; PH: 504/542-7405; FAX: 504/542-4794.
CONTACT: Norman J. Smallwood, Partner
Computer process control, hardware, software (for industrial applications); consultants, equipment, industrial processes (environmental protection - process wastewater treatment, solid waste disposal & odor control), plant layout (edible oil processing - improvement of existing operations; & design, construction and start-up of new facilities), product development; engineering services; inspection services, management analysis (organization development - survey, design, train and develop from the executive to the hands-on, operating level [profitability improvement strategy & implementation]).

Country Brand Seeds, Inc. ★
4735 Sergeant Road, Waterloo, IA, 50701 U.S.A.; PH: 319/233-5504; FAX: 319/233-9452; TLX: 465650 (DUNN INTL ALO).
CONTACT: James E. Dunn, Pres.
Soybean breeder; soybean seed supplier; supplier of soybeans for food use; IMPORTER: Soybeans and soybean seed.

Country Grown Foods ★
Formerly Specialty Grain Company
12202 Woodbine, Redford, MI, 48239 U.S.A.; PH: 313/535-9222; FAX: 313/535-9712.
CONTACT: David Singsank, Mktng. Dir.
Trading company; transportation, ocean freight line, trucking firm; supplier of organically grown soybeans; supplier of soybeans for food use; EXPORTER: OCIA organic Clear Hilum soybeans; OCIA organic Corsoy soybeans; OCIA organic partial fat (6%) soy meal; soy flakes (organic); OCIA organic unrefined soy oil (degummed & not degummed); Protein Wake Up breakfast cereal with soy; roasted soybeans (organic).

Craft International Consultants
Monument Hill Front Street, Housatonock, MA, 01236 U.S.A.; PH: 508/264-9511; FAX: 508/264-4011.
CONTACT: Sjon Welters, Pres.
Consultants, product development. Marketing consultant; publications/ informational services.

Crippen Manufacturing Company, Inc. ★
700 West End Street, P.O. Box 128, Alma, MI, 48801 U.S.A.; PH: 517/463-2119; FAX: 517/463-6643.
CONTACT: Doug Clark, Vice Pres.
Air classifiers; aspirators; commercial grain cleaners; screeners/screening equipment.

Crown Iron Works Company ★
Affiliate of Crown Holdings Inc.
1600 Broadway Street N.E., P.O. Box 1364, Minneapolis, MN, 55440-1364 U.S.A.; PH: 612/331-6400; FAX: 612/331-2469; TLX: 290204 (CROWN MSP).
Other Offices: Selangor Durul Ehsan, MALAYSIA (Crown Oiltek Sdn. Bhd.)
CONTACT: Glenn D. Brueske, Vice Pres., Mktng.
Cookers/extruders/toasters; dehulling equipment; drying & aeration equipment, conditioners & coolers; meal dryers; solvent extraction equipment; condensers; flake desolventizers; solvent extraction distillation equipment; solvent vapor detection & control; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; filter presses; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, caustic/alkali suppliers, physical.

See Our Advertisement P. 2

CSC Scientific Company, Inc.
8315 Lee Highway, Fairfax, VA, 22031 U.S.A.; PH: 703/876-4030 or 800/458-2558; FAX: 703/280-5142; TLX: 4330314 (CENCO UI).
CONTACT: Eileen Tagg, Prod. Specialist
Moisture testers.

CSX Transportation
A.V.P. Agri. Prods., 500 Water Street, Jacksonville, FL, 32202 U.S.A.; PH: 904/366-5801; FAX: 904/366-5819.
CONTACT: James A. Howarth, A.V.P. Agri. Prods.
Transportation, barge line, ocean freight line, railroad company.

CTC, North America, Inc.
730 Second Avenue, So., Minneapolis, MN, 55435 U.S.A.; PH: 612/370-7551; FAX: 612/370-7504; TLX: (RCA) 201663 (PUMPS).
CONTACT: Gordon V. Jones, Sr. Merchant
Trading company; news wires, commodity; EXPORTER: Soybeans, soybean oil, soybean meal.

Curtis & Tompkins Laboratories ★
2323 Fifth Street, Berkeley, CA, 94710 U.S.A.; PH: 415/486-0900; FAX: 415/486-0532.
Other Offices: Los Angeles, Wilmington, CA
CONTACT: Bruce Godfrey, Pres.
Analytical laboratories; engineering services; inspection services; weighing services & surveys.

D.C.A. Services Inc. ★
4983 Sonoma Hwy., Suite M, Santa Rosa, CA, 95409 U.S.A.; PH: 707/538-5588.
CONTACT: Richard R. Glowe, Pres.
Broker, cash/product, futures; financial, commodity hedger.

Dabney-Hoover Supply Company, Inc. ★
61 W. Georgia Street, P.O. Box 692, Memphis, TN, 38101 U.S.A.; PH: 901/523-8061; FAX: 901/523-8077.
CONTACT: C. W. Hoover III, Vice Pres.
Commercial grain cleaners; instruments/instrument systems, material level, moisture testers; loading & unloading equipment, barge, railroad, truck; soybean storage equipment & supplies, buildings, elevator & silo storage; drying & aeration equipment, grain dryers; meal handling equipment, hammer mills, mixing equipment (dry).

Dairyland Seed Company, Inc. ★
3570 Hwy. H, P.O. Box 958, West Bend, WI, 53095 U.S.A.; PH: 414/338-0163; FAX: 414/626-2281.
Other Offices: Clinton, WI (Dairyland Research Int'l); Gibson City, IL (Corn Belt Research); Mt. Hope, WI (Dairyland Seed Processing)
CONTACT: Thomas G. Strachota, Vice Pres.
Bags, bagging equipment; conveyors (drag or en masse); dust control systems & supplies; instruments/ instrument systems, moisture testers, oil/protein/fiber analyzers. Soybean breeder; soybean seed supplier; supplier of soybeans for food use.

★ Updated Listing
★★ New Listing

Davenport Machine & Foundry Company
Affiliate of Middle States Corp.
1607 West River Drive, P.O. Box 3339, Davenport, IA, 52808-3339 U.S.A.; PH: 319/322-6201; FAX: 319/322-1032; TLX: 0458456.
CONTACT: W. E. Odell, Gen. Sales Mgr.
Drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers.

J. H. Day Company ★
Affiliate of Littleford Group, Inc.
4932 Beech Street, Cincinnati, OH, 45212 U.S.A.; PH: 513/841-3600; FAX: 513/841-9206; TLX: 214392 (DAYMIXING NRWD).
Other Offices: Des Plaines, IL; Mahwah, NJ; Vermilion, OH; Atlanta, GA; Houston, TX (Apogee Engineering); San Juan, PR (INSECO Co.); St. Catharines, Ontario, CANADA (Firing Industries); Chapultepec Morales, Mexico D.F., MEXICO (Littleford Group Inc.)
CONTACT: Jai K. L. Bajaj, Bus. Mgr.
Meal handling equipment, mixing equipment (dry), pulverizing equipment.

De Smet Process & Technology, Inc. ★
Affiliate of Compagnie Financière De Smet S.A.
2839 Paces Ferry Road, Suite 880, Atlanta, GA, 30339 U.S.A.; PH: 404/436-0061; FAX: 404/434-5188; TLX: (EASYLINK) 984812 (DESMET USA).
Other Offices: Antwerp, BELGIUM (Extraction De Smet); Hull, ENGLAND (De Smet Rosedowns Ltd.)
CONTACT: Philip Vando, Exec. Vice Pres.
Cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; presses, continuous screw; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; bleaching & filtering equipment; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, physical; soapstock equipment; margarine equipment; computer process control, programming; consultants, plant layout, industrial processes; contract research (pilot scale); engineering services.

Dedert Corporation ★
20000 Governors Drive, Olympia Fields, IL, 60461 U.S.A.; PH: 708/747-7000; FAX: 708/755-8815; TLX: (ITT) 4330935 (DEDERT).
Other Offices: Columbia, MD; Valbonne, FRANCE
CONTACT: Gary Wurzer, Sales Engineer
Drying & aeration equipment, conditioners & coolers, meal dryers; condensers; heat exchangers.

DeKalb Pfizer Genetics
3100 Sycamore Road, DeKalb, IL, 60115 U.S.A.; PH: 815/756-7333.
Other Offices: Venezia-Mestre, ITALY
CONTACT: Charles W. Crum, Vice Pres., Tech. Services Int'l.
Soybean breeder; soybean seed supplier; EXPORTER: Soybean varieties, maturity group 0 thru IV.

Delmhorst Instrument Company
51 Indian Lane East, P.O. Box 68, Towaco, NJ, 07082 U.S.A.; PH: 201/334-2557; FAX: 201/334-2657.
CONTACT: Tom Laurenzi, Mgr.
Instruments/instrument systems, moisture testers.

DICKEY-john Corporation ★
15.5 S. Country Club Road, P.O. Box 10, Auburn, IL, 62615 U.S.A.; PH: 217/438-3371; FAX: 217/438-6012; TLX: 250132.
CONTACT: John W. Barber, Mktng. Mgr.
Instruments/instrument systems, grain analyzers, moisture testers, oil/protein/fiber analyzers; analytical laboratory equipment; analytical laboratories; computer process control, hardware, programming, software.

Divine Engineering, Inc. ★
5440 6th Street S.W., P.O. Box 1345, Cedar Rapids, IA, 52406 U.S.A.; PH: 319/365-0564; FAX: 319/365-9345.
CONTACT: Jared S. Hills, Pres.
Conveyors (drag or en masse).

See Our Advertisement P. 111

Doane Agricultural Services Company ★★
11701 Borman Drive, St. Louis, MO, 63146 U.S.A.; PH: 314/569-2700.
Other Offices: Cherry Valley, IL; Portland, OR (offices)
CONTACT: Paul Justis, Editor
Financial, economic forecaster; publications/informational services (Doanne's Report).

Down River International, Inc., Transit Protection Division ★
Box 15290-C, Sacramento, CA, 95851 U.S.A.; PH: 916/920-0290.
Other Offices: Stockton, CA; Waco, TX; Hezlaton, PA; Woodland, WA; Macon, GA.
CONTACT: Bruce Miller, Nat'l. Sales Mgr.
Loading & unloading equipment (transit protection materials), barge, railroad and truck.

Drake Petroleum Company ★
6231 N. Pulaski Road, Chicago, IL, 60646 U.S.A.; PH: 312/588-2060.
CONTACT: C. E. Kelley, Jr., Pres.
Solvents.

Davy Dravo
Division of Davy McKee Corp.
One Oliver Plaza, Pittsburgh, PA, 15241 U.S.A.; PH: 412/566-3656; FAX: 412/566-3070; TLX: 90-2943 (DRAVO PGH).
Other Offices: Chicago, IL; Berkley Heights, NJ
CONTACT: Alan F. Smith, Vice Pres., Sales
Loading & unloading equipment, barge, ship; solvent extraction equipment; condensers; flake desolventizers, normal, flash/vapor; solvent extraction distillation equipment; crude oil storage (tanks); fat splitters; fatty acid distillation equipment; heat exchangers; hydrogenation equipment; oil dryers; computer process control, software; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes; plant layout; product development; contract research (pilot scale); engineering services; inspection services.

Louis Dreyfus Corp.
10 Westport Road, Wilton, CT, 06897 U.S.A.; PH: 203/761-9700; FAX: 203/761-2375; TLX: 697-5459.
Trading company; warehousing: export/import, bulk liquid storage; EXPORTER: Soybeans; soybean meal; soybean oil.

Dunn International, Ltd. ★
4735 Sergeant Road, Waterloo, IA, 50701 U.S.A.; PH: 319/233-5504; FAX: 319/233-9452; TLX: (WU) 465650 (DUNN INT ALO).
CONTACT: James E. Dunn, Pres.
Trading company; soybean seed supplier; supplier of soybeans for food use; IMPORTER: Soybeans; soybean seeds.

J. R. Dykes Sales & Service, Inc.
Highway 51 North, P.O. Box 1059, Granbury, TX, 76048 U.S.A.; PH: 817/573-2416; FAX: 817/573-0027; TLX: 467938 (DYKES CI).
CONTACT: Richard Dykes, Vice Pres. or Mike Dykes, Vice Pres.
Air classifiers; aspirators; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; instruments/instrument systems, automatic samplers, control, flow measurement, grain analyzers, material level, moisture testers, oil/protein/fiber analyzers, quality control metal detection, temperature monitors, warning systems; scales; cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment;

condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; solvent vapor detection & control; centrifuges; crude oil storage (tanks); degumming equipment; deodorization equipment; filter presses; heat exchangers; used equipment; consultants, equipment, plant layout.

Dynequip, Inc. ★

310 Snelling Avenue, No., St. Paul, MN, 55104 U.S.A.; PH: 612/645-0979; FAX: 612/645-4239.
CONTACT: Vincent Anderson, Vice Pres.
Air classifiers; dust control systems & supplies; instruments/instrument systems, automatic samplers, flow measurement, control, material level, quality control/metal detection; loading & unloading equipment, railroad, truck; soybean storage equipment & supplies, buildings, elevator & silo storage; coolers, fluidized bed; drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; meal handling equipment, hammer mills, mixing equipment (dry), pulverizing equipment; milling equipment supplies, spare parts & repair; screeners/screening equipment; agitators (liquid); crude oil storage (tanks); soymilk & tofu equipment & systems; soy protein equipment & supplies; used equipment; computer process control, hardware, programming, software.

Eastman Chemical Products, Inc. ★

Affiliate of Eastman Kodak Co.
P.O. Box 431, Kingsport, TN, 37662 U.S.A.; PH: 800/EASTMAN; FAX: 615/229-1194; TLX: 6715569 (EASTCHEM).
CONTACT: Spencer D. Snook, Sr. Mkt. Specialist
Antioxidants; emulsifiers; sorbates.

Eaton - Consolidated Controls

15 Durant Avenue, Bethel, CT, 06801 U.S.A.; PH: 203/798-3393; FAX: 203/798-3310.
CONTACT: Larry Vermillion, Mkting. Mgr.
Scales.

Eden Foods, Inc.

701 Tecumseh Road, Clinton, MI, 49236 U.S.A.; PH: 517/456-7424; FAX: 517/456-7025.
Other Offices: Saline, MI (American Soy Products)
CONTACT: Ron Roller, Pres.
EXPORTER: Dried soy beans; IMPORTER: Miso, soy sauces, organic, low sodium & traditional.

A. G. Edward & Sons, Inc. ★

One North Jefferson, St. Louis, MO, 63103 U.S.A.; PH: 314/289-3200.
CONTACT: Dean Nosker, Grain Analyst
Broker, futures; financial, economic forecaster, commodity hedger; marketing consultant.

Ehrich Seed Farms, Inc.

R.R. 1 Box 47, Elmore, MN, 56027 U.S.A.; PH: 507/943-3762.
CONTACT: Jim Ehrich, Pres.
Soybean seed supplier; supplier of soybeans for food use; EXPORTER: Soybean seeds; soybeans for food use.

Electrical Engineering & Equipment Company ★★

1808 Delaware Avenue, Des Moines, IA, 50317 U.S.A.; PH: 515/266-8890; FAX: 515/266-1181.
CONTACT: Frank Darcy, Engineer
Conveyors (drag or en masse).

Electronic Sensors, Inc. ★

400 E. First Street, Wichita, KS, 67202-2595 U.S.A.; PH: 315/267-2807; FAX: 316/267-2819.
CONTACT: Larry R. Clum, Mkting. Mgr.
Instruments/instrument systems, material level measuring devices.

Elliott Automation Company, Inc.

10903 Brooklet Drive, Houston, TX, 77099 U.S.A.; PH: 713/530-2108; FAX: 713/530-1962; TLX: 792425 (ELL AUTO HOU).
CONTACT: Peter F. Elliott, Pres.
Instruments/instrument systems, flow measurement; computer process control, hardware, software, programming.

EMI Corporation ★

3166 Des Plaines Avenue, Des Plaines, IL, 60018 U.S.A.; PH: 708/827-3164; FAX: 708/803-8394; TLX: (WU) 726354 (EMI DSP).
CONTACT: William J. McPherson, Vice Pres.
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; bleaching & filtering equipment; crude oil storage (tanks); degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, physical; soapstock equipment; margarine equipment; shortening equipment; consultants, plant layout; engineering services.

Engelhard Corporation ★

101 Wood Avenue, So., CN770, Iselin, NJ, 08830 U.S.A.; PH: 201/205-5000.
Soybean storage equipment & supplies, fumigants; anti-caking agents; bleaching & filtering equipment; bleaching clays/earths; analytical laboratory equipment.

Engelhard Corporation

30100 Chagrin Boulevard, P.O. Box 39189, Cleveland, OH, 44139-0189 U.S.A.; PH: 216/292-9258; FAX: 216/292-9218; TLX: 4332158 (HARSHAW).
CONTACT: Robert C. Hastert, Mgr., Mkting. & Prod. Tech.
Bleaching clays/earths; hydrogenation catalysts.

Enterprise Consulting, Inc. ★

2806 36th Place, N.W., P.O. Box 32273, Washington, DC, 20007 U.S.A.; PH: 202/342-7640.
CONTACT: Tom Veblen, Pres.
Consultants, business strategy & organization. Marketing consultant.

Enterprise Foods ★★

1731 Commerce Drive, N.W., Suite 111, Atlanta, GA, 30318 U.S.A.; PH: 404/351-2251.
CONTACT: Gerald Anderson, Pres.
Marketing consultant; trading company.

EPE Incorporated ★

13550 Falling Water, Suite 205, Strongsville, OH, 44136 U.S.A.; PH: 216/238-7000; FAX: 216/238-7000.
CONTACT: Hans R. Strop, Pres.
Cookers/extruders/roasters; coolers, fluidized bed; drying & aeration equipment, conditioners & cookers, meal dryers; presses, continuous screw; screeners/screening equipment; consultants, equipment, industrial processes; contract research (pilot scale); engineering services.

Eppendorf North America, Inc. ★★

Affiliate of Eppendorf - Netheler - Hinz, GmbH
545 Science Drive, Madison, WI, 53711 U.S.A.; PH: 608/231-1188; FAX: 608/231-1339.
CONTACT: John Guehlstorf, Dir., Sales & Mkting.
Analytical laboratory equipment; analyzers (on-line).

ERDCO Engineering Corporation

721 Custer Avenue, P.O. Box 1310, Evanston, IL, 60204 U.S.A.; PH: 708/328-0550; TLX: (WU) 206195 (ERDCO ENG EVN).FAX: 708/328-3535.
CONTACT: Bruce Nesvig, Vice Pres., Mkting.
Instruments/instrument systems, flow measurement, flash point testers; solvent vapor detection & control.

Discounts Available On Orders Of 5 Or More Soya Bluebooks

Contact SOYATECH for more information or use order form on page 244

★ Updated Listing
★★ New Listing

Dick Eulitt Company ★★
P.O. Box 8584, Kansas City, MO, 64114 U.S.A.; PH: 816/523-7900; FAX: 816/942-3407.
CONTACT: Dan Eulitt, Vice Pres., Sales
Soyfoods packaging equipment & supplies (tofu tray lidding stock).

Experience, Inc. ★
1200 2nd Avenue So., Suite 400, Minneapolis, MN, 55403 U.S.A.; PH: 612/338-7844; FAX: 612/338-8005; TLX: (WU) 467326 (EXPERIENCE CI).
Other Offices: Arlington, VA
CONTACT: Joseph T. Pietrus, Exec. Vice Pres.
Consultants, plant layout, industrial processes, product development. Marketing consultant.

Fabri-Kal ★
Plastics Place, Kalamazoo, MI, 49001 U.S.A.; PH: 616/385-5050; FAX: 616/385-0197.
CONTACT: Gregg Pierce, Sales Mgr.
Soyfoods packaging equipment & supplies (plastic trays for retail tofu sales).

Fairbanks Scales ★
Affiliate of Fairbanks Inc.
711 E. St. Johnsbury Road, St. Johnsbury, VT, 05819 U.S.A.; PH: 802/748-5111 or 800/451-4107; FAX: 802/748-5216.
CONTACT: Robert Pelkey, Adv. Supv.
Scales; weighing services & surveys.

Fandrich Supply Company ★
Highway 64, P.O. Box 86, Belvidere, TN, 37306 U.S.A.; PH: 615/967-3377.
CONTACT: John S. Fandrich, Jr., Pres.
Soybean seed supplier; supplier of soybeans for food use; EXPORTER: Soybeans.

Farm & Dairy
185-205 East State Street, P.O. Box 38, Salem, OH, 44460 U.S.A.; PH: 216/337-3419; FAX: 216/337-9550.
CONTACT: Scot Darling, Asst. Pub./Adv. Mgr.
Publications/informational services.

Farm Fans, Inc.
A Division of FFI, Inc
5900 Elmwood Avenue, P.O. Box 346, Indianapolis, IN, 46203-6081 U.S.A.; PH: 317/787-6341; FAX: 317/787-6340.
CONTACT: Larry McFarland, Dir., Sales
Drying & aeration systems, grain dryers.

Farmers Commodities Corporation
P.O. Box 4887, Des Moines, IA, 50306 U.S.A.; PH: 515/223-3788; FAX: 515/223-3701 or 223-3708.
Other Offices: Chicago, IL; Platteville, CO; Minnetonka, MN; Kansas City, MO; Omaha, NE; Spirit Lake, IA
CONTACT: Harold Richard, Pres.
Broker, cash/product, futures.

FEECO International, Inc. ★
3913 Algoma Road, Green Bay, WI, 54311 U.S.A.; PH: 414/469-5100; FAX: 414/469-5110; TLX: 26/3456 (FEECO GRB).
CONTACT: Larry Cliver, Sales Mgr.
Conveyors; loading & unloading equipment, barge, railroad, ship, truck; drying & aeration equipment, conditioners & coolers; meal handling equipment, mixing equipment (dry), pelleting equipment.

Feed & Grain Times/Johnson Hill Press ★
1233 Janesville Avenue, Fort Atkinson, WI, 53538 U.S.A.; PH: 414/563-6388; FAX: 414/563-9497.
CONTACT: Arlette Sambs, Assoc. Pub.
Publications/informational services.

Feed Management
122 South Wesley Avenue, Mount Morris, IL, 61054 U.S.A.; PH: 815/734-4171; FAX: 815/734-4201.
CONTACT: Clayton J. Schreiber, Publisher
Publications/informational services.

Feed Service Company, Inc. ★
303 Lundin Blvd., P.O. Box 698, Mankato, MN, 56002 U.S.A.; PH: 507/387-4464.
CONTACT: Thomas E. Cashman, Pres.
Broker, cash/product.

Feedstuffs ★★
Affiliate of Capital Cities, ABC
12400 Wihtewater Drive, P.O. Box 2400, Minnetonka, MN, 55343 U.S.A.; PH: 612/931-0211; FAX: 612/938-1832.
CONTACT: Julie Emnett. Staff Editor or Jon Scheid, Editor
Publications/informational services.

Ferrell-Ross ★
A Div. of Bluffton Agri Industrial
805 S. Decker Drive, P.O. Box 256, Bluffton, IN, 46714 U.S.A.; PH: 219/824-3400; FAX: 219/824-5463; TLX: 782314.
CONTACT: Roscoe Warner, Prod. Mgr.
Commercial grain cleaners; loading & unloading equipment, truck; soybean storage equipment & supplies, elevator & silo storage; cookers/extruders/roasters; coolers, fluidized bed; dehulling equipment; drying & aeration equipment, grain dryers; flaking & cracking equipment; meal handling equipment, hammer mills, mixing equipment (dry), pelleting equipment; screeners/screening equipment.

Ferro Corporation ★
1230 Railroad Street, East Liverpool, OH, 43920 U.S.A.; PH: 216/385-1538; FAX: 215/385-3731.
CONTACT: Mel Glass, Prod. Mgr.
Milling equipment supplies, spare parts & repairs.

Fischbein Company ★
Affiliate of Axia Inc.
2700 30th Avenue, So., Minneapolis, MN, 55406 U.S.A.; PH: 612/721-4806; FAX: 612/721-4743.
Other Offices: Brussels, BELGIUM (Cie Fischbein, S.A.)
CONTACT: Norma J. Shapira, Mktng. Serv. Supv.
Bags, bagging equipment; conveyors (drag or en masse).

Florida Industrial Filters, Inc.
Affiliate of LFC Lochem B.V., NETHERLANDS
1367 Highland Avenue, P.O. Box 873, Dunedin, FL, 34697 U.S.A.; PH: 813/733-0461; FAX: 813/736-1581.
CONTACT: Jerry Timen, Gen. Mgr.
Filter presses; waste water treatment equipment.

Fluor Daniel Siting & Consulting Services ★
Affiliate of Fluor, Inc.
100 Fluor Daniel Drive, Greenville, SC, 296007 U.S.A.; PH: 803/676-7295; FAX: 803676-7245.
Other Offices: Worldwide
CONTACT: B. William Dorsey, Dir.
Construction contractors, complete plants, protein plants; consultants, industrial processes, product development, site selection; engineering services. Marketing consultant (marketing & transportation cost analysis).

FMI - Fluid Metering, Inc. ★
29 Orchard Street, P.O. Box 179, Oyster Bay, NY, 1177[illegible] U.S.A.; PH: 516/922-6050; FAX: [illegible]24-8261; TLX: 510-1001281 (FLM[illegible]ER).
CONTACT: Wini McKnight, Media Mgr.
Instruments/instrument systems, automatic samplers; waste water treatment equipment.

Food Ingredients, Inc. ★
535 Tollgate Road, Suites A & B, Elgin, IL, 60009-1557 U.S.A.; PH: 708/695-7717; FAX: 708/695-7986.
CONTACT: Robert A. Leonard, Exec. Vice Pres.
Marketing consultant; trading company.

Food Ingredients (Minnesota) Inc. ★
2121 Toledo Avenue N., Golden Valley, MN, 55422 U.S.A.; PH: 612/588-9456; FAX: 612/835-3811; TLX: 499-2551 (POLYPROINT).
CONTACT: Dale W. Johnson, Pres.
Consultants, equipment, plant layout, industrial processes, product development; engineering services; market surveys.

Forsbergs, Inc.
Airport Road, P.O. Box 510, Thief River Falls, MN, 56701 U.S.A.; PH: 218/681-1927; TWX: 910/561-2634 (FORSBERGS, THRF); FAX: 218/681-2037.
CONTACT: Harry Donarski, Sales Mgr.
Air classifiers; aspirators; commercial grain cleaners.

Four-B Elevator Components Ltd.
101 National Road, Unit 3, East Peoria, IL, 61611 U.S.A.; PH: 309/698-5611; TWX: 910/652-1787; FAX: 309/698-5615.
CONTACT: Chris J. Robinson, Nat'l. Sales Mgr.
Conveyors (drag or en masse); instruments/instrument systems, material level, temperature monitors, warning systems; engineering services.

Fox Testing Laboratories, Inc.
MAIN OFFICE: 201 Paris, P.O. Box 1299, Lubbock, TX, 79408 U.S.A.; PH: 806/763-4781; FAX: 806/763-4519.
Other Offices: Harlingen, TX
CONTACT: Ronnie Fox, Pres.
Analytical laboratories.

Fox Testing Laboratories, Inc.
211 E. Monroe, P.O. Box 346, Harlingen, TX, 78551-0346 U.S.A.; PH: 512/423-3196; FAX: 512/423-5098.
CONTACT: David Humphrey, Lab Mgr.
Analytical laboratories.

The Foxboro Company ★
Bristol Park B52-1B, Foxboro, MA, 02035 U.S.A.; PH: 508/543-8750; FAX: 508/549-6750; TLX: 927602.
CONTACT: George P. Treachis, Mgr., Food Ind.
Instruments/instrument systems, control, flow measurement, temperature monitors, warning systems; solvent vapor detection & control; analytical laboratory equipment; computer process control, hardware, software.

The French Oil Mill Machinery Company ★
1035 Greene Street, P.O. Box 920, Piqua, OH, 45356 U.S.A.; PH: 513/773-3420; FAX: 513/773-3424; TLX: 687-4224.
Other Offices: Mexico City, Monterrey, MEXICO
CONTACT: Timothy G. Kemper, Prod. Mgr.
Cookers/extruders/roasters; dehulling equipment; drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; meal handling equipment, pelleting equipment; milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment; solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment.

See Our Advertisement P. 131

Fru-Con Engineering Inc. ★★
Affiliate of Bilfinger & Berger
15933 Clayton Road, P.O. Box 100, Ballwin, MO, 63022-0100 U.S.A.; PH: 314/391-6700; FAX: 314/391-4513.
CONTACT: John Linton, Group Mgr.
Computer process control, programming; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; contract research (pilot scale); engineering services.

G & T Commodities, Inc. ★
103 E. 4th Street, P.O. Box 1057, Rochester, MI, 48307 U.S.A.; PH: 313/656-1661; FAX: 313/656-0513.
CONTACT: George A. Enders, Pres.
Broker, cash/product; trading company; buyers of salvage, off-grade soybeans, meals, oils.

GA Expertise Inc.
4210 Braganza Street, P.O. Box 330485, Miami, FL, 33233-0485 U.S.A.; PH: 305/665-4404; FAX: 305/655-2933; TLX: (RCA) 293818 (EXPT UR).
CONTACT: Guy L. Posschelle, Pres.
Consultants, equipment, industrial processes, plant layout.

Gage Industries, Inc. ★
6710 McEwan Road, P.O. Box 1318, Lake Oswego, OR, 97035-0516 U.S.A.; PH: 503/639-2177; FAX: 503/624-1070.
CONTACT: Mike Livermore
Soyfoods packaging equipment & supplies (tofu trays); analytical laboratory equipment.

Garnac Grain Company, Inc. ★
8000 W. 110 Street, Overland Park, KS, 66210-2315 U.S.A.; PH: 913/661-6100; FAX: 913/661-6159; TLX: 238899 (GARN).
CONTACT: Terry Porter, Mgr., Soybean Dept.
Trading company; EXPORTER: Soybeans, soybean meal and soybean oil.

Geldermann, Inc.
440 S. LaSalle Street, 20th Floor, Chicago, IL, 60605 U.S.A.; PH: 312/663-7500; FAX: 312/663-7710; TLX: 4330220.
CONTACT: Jake Vrabel, Vice Pres., Grain Div.
Broker, futures.

Gem Industries Inc. ★
1500 1st Avenue, N.E., Suite 115, Rochester, MN, 55906 U.S.A.; PH: 507/289-7560; FAX: 507/282-1468.
CONTACT: Stuart Dormody, Sales
Cookers/extruders/roasters.

General Resource Corp. ★
201 3rd Street, So., Hopkins, MN, 55343 U.S.A.; PH: 612/933-7474 or 800/334-6421; FAX: 612/933-9777.
CONTACT: Gary Wallace, Adv. Coord.
Drying & aeration equipment; meal handling equipment; heat exchangers; construction contractors, complete plants, protein plants; consultants, equipment, plant layout, industrial processes, product development; contract research (pilot scale); engineering services.

Generichem Corporation ★
85 Main Street, P.O. Box 369, Little Falls, NJ, 07424 U.S.A.; PH: 201/256-9266; TWX: 510-601-6431 (GENERIC); FAX: 201/256-0069.
CONTACT: Terrance W. Connolly, Pres.
Soymilk & tofu equipment & supplies; soy protein equipment & supplies. IMPORTER: Nigari (magnesium chloride).

GENEX New York Inc. ★
527 Madison Avenue, Suite 1250, New York, NY, 10022 U.S.A.; PH: 212/758-7755.
Publications/informational services.

W. R. Grace Company ★
Davison Chemical Div., P.O. Box 2117, Baltimore, MD, 21203-2117 U.S.A.; PH: 301/659-9000; FAX: 301/685-1434.
CONTACT: Mike Rosenberg, Nat'l. Accts. Mgr.
Anti-caking agents; bleaching clays/earths (clay replacement TriSyl® silica for oil refining); hydrogenation catalysts.

See Our Advertisement P. 6, 7, 147

Grand Trunk Western Railroad Company ★
1333 Brewery Park Blvd., Detroit, MI, 48207-2699 U.S.A.; PH: 313/396-6409 or 396-6343; FAX: 313/396-6034; TLX: 230717 (DETMKTGA).
CONTACT: Joseph P. Berger, Mkt. Mgr., Grain or Dan R. Lytwyn, Mkt. Mgr., Food Prods.
Transportation, railroad company.

Great Eastern Sun, Inc. ★★
92 McIntosh Road, Asheville, NC, 28806 U.S.A.; PH: 704/252-3090; FAX: 704/667-8051.
Other Offices: Rutherfordton, NC (The American Miso Co.)
CONTACT: Donald E. DeBona, Pres.
IMPORTER: Soy sauce (shoyu and tamari) and miso.

Greenway Electric, Inc. ★
1424 North Mosley, Wichita, KS, 67214 U.S.A.; PH: 316/263-6189; FAX: 316/263-4075.
CONTACT: Marc Greenway, Pres.
Computer process control, hardware, programming, software; construction contractors, complete plants; consultants, industrial processes, plant layout; engineering services (electrical).

Greif Brothers Corp.
2750 W. 145th Street, Rosemount, MN, 55068-4998 U.S.A.; PH: 612/423-2216; FAX: 612/423-1978.
CONTACT: Tom Dubbe, Vice Pres.
Bags, bagging equipment.

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Groen ★
Affiliate of Dover Industries
1900 Pratt Boulevard, Elk Grove Village, IL, 60007 U.S.A.; PH: 708/439-2400; FAX: 708/364-3097.
Other Offices: Jackson, MS (mfg.)
CONTACT: Ray Rzegocki, Nat'l. Sales Mgr., Process Group
Soymilk & tofu equipment & supplies.

Carl R. Gurley Inc.
Hwy. 70 East, P.O. Box 995, Princeton, NC, 27569 U.S.A.; PH: 919/936-7333 or 800/753-3800.
CONTACT: Carl Gurley, Pres.
Soybean seed supplier; supplier of soybeans for food use; EXPORTER: Edible soybeans.

A. Gusmer, Inc.
Representatives of Ponndorf Maschinenfabrik GmbH
27 North Avenue, Cranford, NJ, 07016 U.S.A.; PH: 201/272-9400; FAX: 201/272-8735.
CONTACT: Charles W. Tannert, Vice Pres., Tech. Services
Aspirators; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; instruments/instrument systems, quality control metal detection; loading & unloading equipment, railroad and truck; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; meal handling equipment, pulverizing equipment; presses, continuous screw; filter presses; consultants, equipment, industrial processes.

Gustafson, Inc. ★
1400 Preston Road, Suite 400, Plano, TX, 75093 U.S.A.; PH: 214/985-8877; FAX: 214/985-1696; TLX: 730957 (GUSTAFCO DAL).
Other Offices: Des Moines, IA; Eden Prairie, MN; Marsing, ID; McKinney, TX
CONTACT: Gil Austin, Vice Pres., Mktng.
Aspirators; instruments/instrument systems, automatic samplers.

H & S Systems of Decatur, Inc. ★
2230 Brush College Road, Decatur, IL, 62525 U.S.A.; PH: 217/423-6001; FAX: 217/432-6565.
CONTACT: Jack Hunter, Sales Mgr.
Conveyors (drag or en masse); bucket elevators; instruments/instrument systems, temperature monitors, warning systems; loading & unloading equipment, barge, railroad, truck.

Howard Hall International ★
223 E. Putnam Avenue, P.O. Box 199, Cos Cob, CT, 06807 U.S.A.; PH: 203/869-4504; FAX: 203/869-1439; TLX: 6819012 (HALL UW).
CONTACT: Howard E. Hall, Pres.
EXPORTER: Soy fiber.

The Hance Corporation
235 E. Broadway, Westerville, OH, 43081 U.S.A.; PH: 614/882-7400; FAX: 614/882-7549.
CONTACT: Frank W. Hance, Gen. Mgr.
Aspirators; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; loading & unloading equipment, barge, railroad, ship, truck; screeners/screening equipment.

Jacob Hartz Seed Company, Inc. ★
No. Park Avenue, P.O. Box 946, Stuttgart, AR, 72160 U.S.A.; PH: 501/673-8565 or 800/932-7333; FAX: 501/673-1476.
CONTACT: Keith Thompson, Food & Export Mgr.
Soybean breeder; soybean seed supplier; supplier of soybeans for food use. EXPORTER: Soybean for food use.

Hayes & Stolz Industrial Manufacturing Company, Inc.
3521 Hemphill Street, P.O. Box 11217, Fort Worth, TX, 76110 U.S.A.; PH: 817/926-3391; FAX: 817/926-4133; TLX: (WU) 792854 (HAYESSTOLZ FTW).
CONTACT: Mark Hayes, Vice Pres.
Meal handling equipment, mixing equipment (dry); screeners/screening equipment.

Helena Chemical Company ★★
5100 Poplar Avenue, Suite 3200, Memphis, TN, 38137 U.S.A.; PH: 901/761-0050; FAX: 901/761-0133.
CONTACT: Richard Guthrie, Mgr., Seed Dept.
Soybean seed supplier.

Henke Machine Inc.
E. Highway 30, P.O. Box 1006, Columbus, NE, 68602 U.S.A.; PH: 402/564-0565; FAX: 402/564-3153.
CONTACT: Richard F. Drake, Industrial Sales Eng.
Conveyors (drag or en masse); commercial grain cleaners; soybean storage equipment & supplies, elevator & silo storage.

Herzog-Hart Corp.
185 Dartmouth Street, Boston, MA, 02116 U.S.A.; PH: 617/247-2500; TWX: 710-321-1605; FAX: 617/424-1685.
CONTACT: Richard J. Malone
Hydrogenation equipment; consultants, equipment, industrial processes, plant layout; engineering services.

Honeywell, Inc., Industrial Controls Division
1100 Virginia Drive, Fort Washington, PA, 19034 U.S.A.; PH: 215/641-3115 or 800/345-6770.
CONTACT: Terri Minio, PR Mgr.
Instruments/instrument systems, control, flow measurement, temperature monitors; computer process control, software.

Horizon Trading Company Inc.
1510 H Street, N.W., Washington, DC, 20005 U.S.A.; PH: 202/783-4455; FAX: 202/783-4465; TLX: 248890 (HORN).
CONTACT: J. Browning Rockwell, Pres.
Trading company; EXPORTER: Soymilk, tofu & tofu products, isolated soy protein, soybean oil, soy concentrates, soy flour.

J. L. Horst, Inc. ★
2562 Brandt School Road, P.O. Box 408, Wexford, PA, 15090 U.S.A.; PH: 412/935-1590; FAX: 412/935-1591.
CONTACT: Joseph L. Horst, Pres.
Air classifiers; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; soybean storage equipment & supplies, elevator & silo storage; meal handling equipment, hammer mills, mixing equipment (dry); pelleting equipment, pulverizing equipment; screeners/screening equipment.

Hosokawa Micron Division
10 Chatham Road, Summit, NJ, 07901 U.S.A.; PH: 201/273-6360; FAX: 201/273-7432.
CONTACT: John Bechtold, Adv. Mgr.
Air classifiers; drying & aeration equipment, grain dryers, meal dryers; meal handling equipment, mixing equipment (dry), pulverizing equipment.

Houston Tank Storage Company
Affiliate of Jacob Stern & Sons, Inc.
1464 East Valley Road, P.O. Box 50740, Santa Barbara, CA, 93150 U.S.A.; PH: 805/565-1411; FAX: 805/565-1415; TLX: 658312 (J STERN SNC).
Other Offices: Houston, TX
CONTACT: Philip L. Bernstein, Pres.
Warehousing: export/import, bulk liquid storage, ocean port terminal.

S. Howes Company, Inc. ★
Howard Street, Silver Creek, NY, 14136 U.S.A.; PH: 716/934-2611; FAX: 716/934-2081.
CONTACT: James J. Carere, Sales Mgr.
Bags, bagging equipment; commercial grain cleaners; meal handling equipment, mixing equipment (dry); screeners/screening equipment.

See Our Advertisement P. 103

J. M. Huber Corp., Clay Division ★
1 Huber Road, Macon, GA, 31298 U.S.A.; PH: 912/745-4751; FAX: 912/741-1817.
CONTACT: Gary C. Schultz, Dir., Tech. Service
Kaolin clay anti-caking agents.

Hudson Tank Terminals Corporation ★
Marsh & Export Streets, Building 173, P.O. Box 2549, Newark, NJ, 07114 U.S.A.; PH: 201/465-1115; FAX: 201/465-9053; TLX: 130026 (HUDSONTAK).
CONTACT: Liam Rogers, Mkting. Mgr.
Warehousing: export/import, ocean port terminal, bulk liquid storage; EXPORTER: Soybean oil; IMPORTER: Soybean oil.

See Our Advertisement P. 263

HYBCO, U.S.A. ★
333 S. Mission Road, Los Angeles, CA, 90033 U.S.A.; PH: 213/269-3111; FAX: 213/269-3130; TLX: (RCA) 215485 (HYBC).
CONTACT: David Kashani, Man. Dir.
Trading company; warehousing: export/import, U.S. interior.

T. E. Ibberson Company ★
3424 Wooddale Avenue, Minneapolis, MN, 55416 U.S.A.; PH: 612/929-1641; FAX: 612/929-8806; TLX: 910-576-2703 (IBBERSON MPS).
CONTACT: David R. Berg, Vice Pres., Sales
Consultants, industrial processes, plant layout; engineering services.

Ibberson Engineering, Inc. ★
3424 Wooddale Avenue, Minneapolis, MN, 55416 U.S.A.; PH: 612/929-1641; FAX: 612/929-8806; TLX: 910-576-2703 (IBBERSON MPS).
CONTACT: Steve Frankosky, Vice Pres./ Gen. Mgr.
Consultants, industrial processes, plant layout; engineering services.

Ibberson International, Inc. ★
3424 Wooddale Avenue, Minneapolis, MN, 55416 U.S.A.; PH: 612/929-1641; FAX: 612/929-8806; TLX: 910-576-2703 (IBBERSON MPS).
CONTACT: Mark Geitzenauer, Vice Pres., Man. Dir.
Consultants, plant layout, industrial processes; engineering services.

Identity Seed & Grain Company ★
1325 N. Atlantic Avenue, Suite 34, Cocoa Beach, FL, 32931 U.S.A.; PH: 407/783-7333; FAX: 407/783-7382; TLX: 415597.
CONTACT: David R. Kemmerer, Exec. Vice Pres.
Broker, cash/product; Supplier of soybeans for food use; EXPORTER: Soybeans for tofu, miso, natto and sprouting.

See Our Advertisement P. 136

Industrial Erectors, Inc.
4701 W. Iowa Street, Chicago, IL, 60651 U.S.A.; PH: 312/378-0100; FAX: 312/378-7273.
CONTACT: Gerald S. Cole, Gen. Mgr.
Conveyors (drag or en masse); belt manlift equipment; construction contractors, complete plants, protein plants; engineering services; inspection services.

Industrial Filter & Pump Manufacturing Company ★
5936 Ogden Avenue, Cicero, IL, 60650-3888 U.S.A.; PH: 708/656-7800; FAX: 708/656-7806.
CONTACT: Richard Crane
Bleaching & filtering equipment; deodorization equipment; filter presses; heat exchangers; hydrogen generation equipment; winterization equipment; waste water treatment equipment.

Industrial Laboratories ★
3001 Cullen Street, Fort Worth, TX, 76107 U.S.A.; PH: 817/332-2259.
CONTACT: H. W. Bulbrook, Dir.
Analytical laboratories.

Industrial Metal Products Company, Inc.
5801 S. 25th Street, P.O. Box 21212, Phoenix, AZ, 85036 U.S.A.; PH: 602/243-1556; FAX: 602/243-6732; TLX: 165030 (IMPCO PHX).
CONTACT: Boyce W. Davis, Pres.
Dust control systems & supplies; dehulling equipment; flaking & cracking equipment.

Industry General Corporation ★
5384 Poplar Avenue, Suite 500, Memphis, TN, 38119 U.S.A.; PH: 901/682-3314; FAX: 901/763-0919.
CONTACT: W. H. Davenport, Pres.
Soybean storage equipment & supplies, elevator & silo storage; construction contractors, complete plants, protein plants; consultants, plant layout; engineering services.

Ingman Laboratories, Inc. ★
2945 34th Avenue South, Minneapolis, MN, 55406 U.S.A.; PH: 612/724-0121.
CONTACT: Peter Meland, Pres.
Analytical laboratories.

Insta Pro International, Ltd.
Affiliate of Triple "F", Inc.
10301 Dennis Drive, Des Moines, IA, 50322 U.S.A.; PH: 515/276-4524; FAX: 515/276-5749; TLX: 478375.
Other Offices: Lytham, ENGLAND (Insta Pro U.K.); Cheltenham, ENGLAND (Insta Pro W.E.); Taipei, TAIWAN (Insta Pro Asia)
CONTACT: Thomas F. Welby, Vice Pres.
Cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers; flaking & cracking equipment; used equipment.

International Farmers Grain Inc.
460 West 34th Street, New York, NY, 10001 U.S.A.; PH: 212/947-8585; FAX: 212/629-3147; TLX: 12319 (EAST EUR NYK).
CONTACT: Dr. Robert Ross
Trading company; EXPORTER: Soybeans; soybean meal 44% & 48%.

International Proteins Corporation ★
25 Just Road, P.O. Box 1169, Fairfield, NJ, 07007 U.S.A.; PH: 201/227-2714; FAX: 201/227-6533; TLX: 178010 (MAPCO).
Other Offices: Fresno, CA; Santiago, CHILE
CONTACT: Eric H. Jackson, Vice Pres.
Financial, commodity hedger; trading company; warehousing: export/import, bulk liquid storage, ocean port terminal, U.S. interior port; EXPORTER: Soybeans; soybean meal. IMPORTER: Soybeans & soybean products.

International Reserve Equipment Corp. ★
4 South Prospect Avenue, P.O. Box 198, Clarendon Hills, IL, 60514-0198 U.S.A.; PH: 708/325-7040; FAX: 708/325-7045.
CONTACT: Thomas J. Mertz, Partner/Adv.
Cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment; solvent extraction equipment; solvent extraction distillation equipment; bleaching & filtering equipment; centrifuges; crude oil storage (tanks); filter presses; heat exchangers; oil dryers; soapstock equipment; used equipment; waste water treatment equipment.

Iowa Testing Laboratories, Inc. ★
Highway #17 North, P.O. Box 188, Eagle Grove, IA, 50533 U.S.A.; PH: 515/448-4741 or 800/274-7645; FAX: 515/448-3402.
CONTACT: Jack W. Henry, Pres.
Analytical laboratories.

C. Itoh & Company, (America) Inc. ★
Affiliate of C. Itoh & Co., Ltd.
335 Madison Avenue, New York, NY, 10017 U.S.A.; PH: 212/818-8310; FAX: 212/818-8328.
CONTACT: Kohji Nagasaka, Vice Pres.
IMPORTER: Soybeans.

★ Updated Listing
★★ New Listing

Len E. Ivarson, Inc. ★
3100 W. Green Tree Road, P.O. Box 23335, Milwaukee, WI, 53209 U.S.A.; PH: 414/351-0700; FAX: 414/351-4551.
CONTACT: Rose M. Raguse, Admin. Asst.
Bags, bagging equipment; fat splitters; fractionation equipment; heat exchangers; margarine equipment; shortening equipment; soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies.

Jacobson, Inc. ★
2445 Nevada Avenue No., Minneapolis, MN, 55427 U.S.A.; PH: 612/544-8781; FAX: 612/544-0908.
CONTACT: Jody Bystrom, Dir., Sales & Mktng.
Meal handling equipment, mixing equipment (dry), pulverizing equipment; milling equipment supplies, spare parts & repair.

JFC International Inc.
Affiliate of Kikkoman Corporation, Japan
540 Forbes Blvd., P.O. Box 7251, San Francisco, CA, 94120 U.S.A.; PH: 415/871-1660; FAX: 415/952-3272.
Other Offices: Los Angeles, CA; Chicago, IL; New York, NY (Tokyo Foods, mfg.)
CONTACT: Thomas Sugihara, Vice Pres., Mktng. Mgr.
Trading company.

JMS Seed Company
Affiliate of Biotechnica Agriculture Inc.
105 Pine Street, P.O. Box 211, Dieterich, IL, 62424 U.S.A.; PH: 217/925-5212; FAX: 217/925-5210.
CONTACT: Ron Prinz, Gen. Mgr.
Soybean breeder; soybean seed supplier; EXPORTER: Proprietary soybean seed.

Johnson-Loft Engineers, Inc. ★
Affiliate of Alfa-Laval AB
3100 Kerner Blvd., Suite C, San Rafael, CA, 94901 U.S.A.; PH: 415/459-5911; FAX: 415/459-5968; TLX: 510-601-7466.
Other Offices: Decatur, IL
CONTACT: Stan Loft, Exec. Vice Pres.
Bleaching & filtering equipment; centrifuges; degumming equipment; deodorization equipment; hydrogenation equipment; oil dryers; refining/neutralization equipment, chemical, physical; computer process control, hardware, programming, software; consultants, equipment, industrial processes, plant layout; engineering services.

Journal of American Oil Chemists' Society
1608 W. Broadmoor Drive, P.O. Box 3489, Champaign, IL, 61826-3489 U.S.A.; PH: 217/359-2344; FAX: 217/351-8091; TLX: 4938651 (AOCS UI).
CONTACT: James Lyon, Exec. Dir.
Publications/informational services.

K-Testing Laboratory, Inc. ★
365 S. Main Street, Memphis, TN, 38103 U.S.A.; PH: 901/525-0519; FAX: 901/525-0520.
CONTACT: Lee Keating, Pres.
Analytical laboratories.

Peter Kalustian Associates, Inc.
239 Reserve Street, Boonton, NJ, 07005 U.S.A.; PH: 201/334-3008; FAX: 201/334-2757.
CONTACT: Peter Kalustian, Pres.
Consultants, industrial processes, plant layout; engineering services.

Kane Investments, Ltd. ★★
141 W. Jackson Blvd., Chicago, IL, 60604 U.S.A.; PH: 312/341-9370.
CONTACT: Joseph J. Kane, Pres.
Broker, futures.

Kansas City Southern Lines ★
114 W. 11th Street, Kansas City, MO, 64105 U.S.A.; PH: 816/556-0303; FAX: 816/556-0418; TLX: 42327.
CONTACT: David C. Bastress, Mkt. Mgr.
Loading & unloading equipment, railroad. Transportation, railroad company.

Kawanishi Shoko Company, Ltd. ★
3499 E. Pico Blvd., Los Angeles, CA, 90023 U.S.A.; PH: 213/780-8166; FAX: 213/780-8224.
Other Offices: Yokohama, Kanagawa, JAPAN
CONTACT: Mike Haraguchi, Tech. Rep.
soymilk & tofu equipment & supplies; soyfoods packaging equipment & supplies.

See Our Advertisement P. 139

Kemper Securities Group ★
111 E. Kilbourn, Milwaukee, WI, 53202 U.S.A.; PH: 414/347-3531; FAX: 414/347-3314.
CONTACT: Larry Schmidt, Vice Pres.
Broker, futures; financial, commodity hedger; marketing consultant.

Kice Industries, Inc. ★
2040 S. Mead Avenue, P.O. Box 11388, Wichita, KS, 67202-0388 U.S.A.; PH: 316/267-4281; FAX: 316/267-5931.
CONTACT: Bob Kice, Vice Pres.
Air classifiers; aspirators; commercial grain cleaners; dust control systems & supplies; loading & unloading equipment; dehulling equipment; milling equipment supplies, spare parts & repairs; screeners/screening equipment.

Knight-Ridder Commodity Perspective ★
Affiliate of Knight-Ridder
30 So. Wacker Drive, Suite 1820, Chicago, IL, 60606 U.S.A.; PH: 312/454-1801; FAX: 312/454-0239.
Other Offices: New York, NY (Commodity Research Bureau)
CONTACT: Gerald Becker, Publisher
Publications/informational services.

Knight-Ridder Commodity Research Bureau ★
Affiliate of Knight-Ridder
75 Broad Street, 22nd Floor, New York, NY, 10005 U.S.A.; PH: 212/504-7754; FAX: 212/809-5442.
Other Offices: Chicago, IL (Commodity Perspective)
CONTACT: Joan Fitzpatrick, Gen. Mgr.
Publications/informational services.

Koch Membrane Systems, Inc. ★
850 Main Street, Wilmington, MA, 01887 U.S.A.; PH: 508/657-4250; FAX: 508/657-5208; TWX: 710/3476537.
CONTACT: Michele A. Collette-Keane, Mkt. Dev. Eng.
Bleaching & filtering equipment; waste water treatment equipment.

Laidig Industrial Systems ★★
14535 Dragoon Trail, Mishawaka, IN, 46544 U.S.A.; PH: 219/256-0204; FAX: 219/256-5575.
CONTACT: Mark E. Kessler, Regional Sales Mgr.
Loading & unloading equipment, barge, railroad, ship, truck; soybean storage equipment & supplies, elevator & silo storage; waste water treatment equipment; construction contractors, complete plants, protein plants.

See Our Advertisement P. 148

Lakeland Engineering Equipment Company ★
5735 Lindsay Street, Minneapolis, MN, 55422 U.S.A.; PH: 612/544-0321; FAX: 612/544-5541.
CONTACT: Mark Skinner or Jean Fralig, Vice Pres.
Instruments/instrument systems, control, material level.

Landers Machine Company ★
207 East Broadway, Ft. Worth, TX, 76104 U.S.A.; PH: 817/336-5653.
CONTACT: Bobby White, Sales Mgr.
Meal handling equipment, pelleting equipment.

Laucks Testing Laboratories, Inc.
940 S. Harney Street, Seattle, WA, 98108 U.S.A.; PH: 206/767-5060; FAX: 206/767-5063.
CONTACT: James M. Owens, Lab Dir.
Analytical laboratories.

Law & Company ★
1763 Montreal Circle, Tucker, GA, 30084 U.S.A.; PH: 404/934-8200; FAX: 404/270-1700.
CONTACT: Robert E. Kieffer, Partner
Analytical laboratories.

Leidahl Communications ★★
P.O. Box 243, Osseo, MN, 55369 U.S.A.; PH: 612/493-2501; FAX: 612/493-6322; TWX: (ESL) 62845862.
CONTACT: Roy Leidahl, Editor
Publications/informational services (Feed Business Report).

Lembeck Associates, Inc. ★
10880 Benson Street, Suite 2390, Shawnee Mission, KS, 66210-1525 U.S.A.; PH: 913/451-3157; FAX: 913/451-1876; TLX: (FTCC MSG HNDER) 825934 (LEMBK UF).
CONTACT: Henry G. Lembeck, Pres.
Consultants, equipment, plant layout; engineering services.

Libra Laboratories, Inc. ★★
44 Stelton Road, Piscataway, NJ, 08854 U.S.A.; PH: 908/968-5200; FAX: 908/968-9552.
Other Offices: San Francisco, CA
CONTACT: Robert I. Green, Mkting.
Analytical laboratory equipment; analytical laboratories; computer process control, software; VERI-FRY® process/quality control TMP diagnostic test kits for oils, fats & frying process quality.

LIGHTNIN ★
Affiliate of General Signal
135 Mt. Read Blvd., P. O. Box 1370, Rochester, NY, 14611 U.S.A.; PH: 716/436-5550; FAX: 716/436-5589; TLX: 97-8244.
Other Offices: Toronto, Ontario, CANADA (Greey Lightnin); Poynton, Cheshire, ENGLAND (Lightnin Mixers Ltd.); Regents Park, N.S.W., AUSTRALIA (Lightnin Mixers Pty. Ltd.)
CONTACT: Leonard J. Fela, Mkting. Dir.
Agitators (liquid); waste water treatment equipment.

Linnhoff March, Inc.
Affiliate of Linnhoff March, Ltd. (UK)
2 Cardinal Park Drive, Suite 205 A, P.O. Box 2306, Leesburg, VA, 22075 U.S.A.; PH: 703/777-1118; FAX: 703/777-4145.
Other Offices: Houston, TX; San Mateo, CA
Consultants, industrial processes.

Lipid Systems International
708 N. Ridge, West Helena, AR, 72390 U.S.A.; PH: 501/572-1704.
CONTACT: Paul McElroy, Pres.
Consultants, industrial processes; engineering services.

O. H. Little Company ★
920 Pierremont Road, Suite 409, Shreveport, LA, 71106-2037 U.S.A.; PH: 318/865-5580; FAX: 318/869-0175.
CONTACT: Chuck Prince, Pres.
Broker, cash/product.

Living Farms
187 4th Street, P.O. Box 50, Tracy, MN, 56175 U.S.A.; PH: 507/629-4431; NAT WATS: 800/533-5320; FAX: 507/629-4253.
CONTACT: Ardell Anderson
Broker, cash/product; supplier of soybeans for food use; EXPORTER: Organically grown soybeans for food use.

Lockhart Grain & Fertilizer Company, Inc.
Port Elevator - White River, 200 Campbell Street, P.O. Box 521, Augusta, AR, 72006 U.S.A.; PH: 501/347-2581; FAX: 501/347-5174.
CONTACT: Bob Brannon
Broker, cash/product, futures; financial, commodity hedger; transportation, barge line; news wires, commodity; supplier of soybeans for food use; EXPORTER: Soybeans (bulk).

Machinery Supply, Inc. ★
1930 N. Mannheim Road, Melrose Park, IL, 60160 U.S.A.; PH: 708/343-7800; FAX: 708/343-1726.
CONTACT: Donald E. Stalter, Pres.
Air classifiers; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; dust control systems & supplies; instruments/instrument systems, quality control metal detection; scales; soybean storage equipment & supplies, elevator & silo storage; cookers/extruders/roasters; coolers, fluidized bed; drying & aeration equipment, conditioners & coolers, grain dryers; meal handling equipment, hammer mills, pelleting equipment, mixing equipment (dry), pulverizing equipment; presses, continuous screw, hydraulic; screeners/screening equipment; solvent extraction equipment; condensers; solvent extraction distillation equipment; agitators (liquid); bleaching & filtering equipment; crude oil storage (tanks); deodorization equipment; filter presses; heat exchangers; used equipment; consultants, equipment; inspection services.

Mallinckrodt, Inc.
Calsicat Division, 1707 Gaskell Avenue, Erie, PA, 16503 U.S.A.; PH: 814/455-0951; FAX: 814/456-7686; TLX: (WU) 914402 (CALSICAT ERI).
Other Offices: Neunkirchen, FED. REPUBLIC OF GERMANY
CONTACT: S. J. Stempka, Sales Coord.
Hydrogenation catalysts.

E. D. & F. Man International Futures, Inc. ★
30 S. Wacker Drive, Suite 900, Chicago, IL, 60606 U.S.A.; PH: 312/930-7800; FAX: 312/930-7871 or 312/427-3203; TLX: 206188.
CONTACT: Gerald Zusel, Vice Pres., Grains
Broker, futures.

Marshall Labs, Inc. ★
103 N. 8th Street, Marshall, MN, 56258 U.S.A.; PH: 507/537-1561; FAX: 507/537-1562.
CONTACT: Bruce Lieberman, Coor. Council
Dust control systems and supplies; analytical laboratories; contract research (pilot scale); engineering services.

Martin Sprocket & Gear, Inc. ★
3600 McCart, P.O. Box 1038, Ft. Worth, TX, 76101-1038 U.S.A.; PH: 817/924-4255; FAX: 817/924-7020.
Other Offices: Arlington, TX; Mansfield, TX
CONTACT: Tom Melton, Vice Pres., Div. Mgr.
Conveyors (drag); dust control systems & supplies; loading & unloading equipment, barge, railroad, ship, truck; soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage.

Marubeni America Corporation
200 Park Avenue, New York, NY, 10166 U.S.A.; PH: 212/599-3755; TWX: (WU) 012424; FAX: 212/599-3987.
CONTACT: Ishi Gami, Mgr., Oilseed Dept.
Trading company; EXPORTER: Soybean, soybean oil, soybean meal.

Mathews Company ★
500 Industrial Avenue, P.O. Box 70, Crystal Lake, IL, 60014 U.S.A.; PH: 815/459-2210; FAX: 815/459-5889.
CONTACT: Richard Zinke, Field Sales Mgr.
Drying & aeration equipment, grain dryers.

Maywood Holdings, Inc.
880 Commerce Road, W., Suite 502, New Orleans, LA, 70123 U.S.A.; PH: 504/436-2000; FAX: 504/734-7136; TLX: 6821248 (MAYWOOD).
CONTACT: Jacques Brazy, Pres.
EXPORTER: Soybeans, soybean oil, soybean meal.

MBS Inc. ★★
P.O. Box 308, Ames, IA, 50010 U.S.A.; PH: 515/296-2676; FAX: 515/296-2688; TLX: 5101007164.
CONTACT: John Mathias, Int'l. Mkting. Mgr.
Broker, cash/product; trading company; soybean seed supplier, supplier of soybeans for food use.

McCullough & Company ★
Sales Dept., 4717 E. 119th Street, P.O. Box 9824, Kansas City, MO, 64134 U.S.A.; PH: 816/761-2857; FAX: 816/761-2845.
CONTACT: Scott Rathbun, Sales
Bags, bagging equipment; conveyors (drag or en masse).

Measurement Systems International
14240 Interurban Avenue South, Seattle, WA, 98168-4660 U.S.A.; PH: 206/433-0199; FAX: 206/244-8470; TLX: 328005 (MSI SEA).
CONTACT: Ron Wenzel, Mkting. Dir.
Scales.

Mercer Engineers, Inc.
Affiliate of Mercer Engineers Inc., Houston, TX
4229-B Jeffrey Drive, P.O. Box 15723, Baton Rouge, LA, 70895 U.S.A.; PH: 504/293-3633; FAX: 504/293-0231.
Other Offices: Dallas, TX; N. Little Rock, AR; Houston, TX
CONTACT: Russell L. Morris, LA Rep.
Dust control systems & supplies; loading & unloading equipment, barge, rail, ship, truck; soybean storage equipment & supplies, elevator & silo storage; meal handling equipment, hammer mills, mixing equipment (dry), pulverizing equipment; agitators (liquid); heat exchangers (stainless steel & higher alloys); consultants, equipment, industrial processes.

Merrill Lynch
World Headquarters, World Financial Center, South Tower, 6th Floor, New York, NY, 10080-6106 U.S.A.; PH: 212/236-4111; FAX: 212/236-4452.
CONTACT: Tony Wolfskill, Agri. Prod. Mgr.
Broker, futures; news wires, commodity; publications/informational services.

Metal Products International, Inc. ★
P.O. Box 1524, Greenwich, CT, 06836 U.S.A.; PH: 203/661-4397; FAX: 203/622-8569.
CONTACT: Ernest F. Trescher, Sales Mgr.
Flaking & cracking equipment; milling equipment supplies, spare parts & repair; chilled iron rolls.

See Our Advertisement P. 125

Miami Margarine Company
5226 Vine Street, Cincinnati, OH, 45217 U.S.A.; PH: 513/242-2310; FAX: 513/242-2310.
CONTACT: Jim Heidrich, CEO
EXPORTER: Soy margarine; soy salad dressings; soy mayonnaise and soy salad oil.

Mid Continent Laboratories, Inc.
1279 Jackson Avenue, P.O. Box 1521, Memphis, TN, 38101 U.S.A.; PH: 901/725-1722; FAX: 901/278-4584.
Other Offices: Jackson, MS; Greenwood, MS
CONTACT: Donald Britton, Pres.
Analytical laboratories; inspection services; weighing services & surveys.

Mid-America Products, Inc.
Highway 48, West, P.O. Box 147, Taylorville, IL, 62568 U.S.A.; PH: 217/824-6671.
CONTACT: Jerry R. Newcomb, Pres. & Owner
Air classifiers; instruments/instrument systems, moisture testers, temperature monitors.

Mid-South Metric Components Company ★★
2097 Winchester Road, Memphis, TN, 38116 U.S.A.; PH: 901/332-6669; FAX: 901/332-6433.
CONTACT: Marc H. Fell, Owner
Air classifiers; commercial grain cleaners; dehulling equipment; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; screeners/screening equipment; soy protein equipment & supplies; used equipment.

Midland Enterprises, Inc.
Affiliate of Eastern Gas & Fuel Associates
1400 - 580 Building, P.O. Box 1460, Cincinnati, OH, 45201 U.S.A.; PH: 513/721-4000; FAX: 413/721-4000 (Ext. 409).
Other Offices: Hazel Crest, IL; Pittsburgh, PA; St. Louis, MO
CONTACT: Brent Ericson, Mgr., Grain Mkting.
Transportation, barge line.

Midwest Soya International, Inc. ★
814 N. 5th Street, P.O. Box 537, Clear Lake, IA, 50428 U.S.A.; PH: 515/357-6131; FAX: 515/357-7168.
Other Offices: Thornton, IA
CONTACT: Kim F. Pleggenkuhle, Mgr.
Soybean seed supplier; supplier of soybeans for food use; EXPORTER: Soybeans fortofu, miso and tempeh.

Mikropul Environmental Systems ★
Affiliate of Hosokawa Micron International
102 American Road, Morris Plains, NJ, 07950 U.S.A.; PH: 201/606-5900; FAX: 201/267-9507.
CONTACT: Karen Palumbo, Admin. Coord.
Bags, bagging equipment; dust control systems & supplies.

Miles Inc.
Affiliate of Bayer AG
1127 Myrtle Street, P.O. Box 932, Elkhart, IN, 46515 U.S.A.; PH: 219/264-2249; TWX: 810-294-2249 (MILES BTG EKR); FAX: 219/262-6747.
CONTACT: Thomas R. Schmidt, Mkting. Mgr.
Antioxidants.

Mills Brothers International, Inc.
7066 S. 188th Street, Kent, WA, 98032 U.S.A.; PH: 206/575-3000; FAX: 206/251-0744; TLX: (RCA) 298555 (MILLS UR).
CONTACT: Eric Mills, Vice Pres.
Broker, cash/product; trading company; warehousing: export/import, ocean port terminal; supplier of soybeans for food use; EXPORTER: Soybeans; soybean meal; soy flour; IMPORTER: Soybeans; soybean meal.

Milltronics, Inc.
Affiliate of Federal Industries
709 Stadium Drive E., Arlington, TX, 76011 U.S.A.; PH: 817/277-3543; FAX: 817/277-3894.
Other Offices: Peterborough, Ontario, CANADA; Worcester, Worcs., ENGLAND
CONTACT: Robert P. Stament, Vice Pres./Gen. Mgr.
Instruments/instrument systems, flow measurement, material level, warning systems.

Minnesota Waxy ★★
Affiliate of M.W.C.G. Export Company
Elevator Avenue, P.O. Box 128, Hope, MN, 56046 U.S.A.; PH: 507/451-3316; FAX: 507/451-2910.
CONTACT: Rick Johnson, Mgr.
Broker, cash/product; supplier of soybeans for food use; supplier of organically grown soybeans. EXPORTER: Soybeans for soymilk, tofu and natto; soybeans for food uses; soymilk powder; spray-dried tofu.

See Our Advertisement P. 55

Mississippi River Grain Elevator, Inc.
200 Carondelet Street, Suite 1900, New Orleans, LA, 70130 U.S.A.; PH: 504/592-4600; FAX: 504/525-5837; TLX: (MCI) 6822036.
CONTACT: Al Iliss
Trading company; warehousing: export/import, U.S. interior.

Mitsubishi International Corp.
Affiliate of Mitsubishi Corp.
520 Madison Avenue, New York, NY, 10022 U.S.A.; PH: 212/605-2572; FAX: 212/605-2476; TLX: 710-581-6762.
Other Offices: Portland, OR; San Francisco, CA
CONTACT: Kensuke Miyazaki, Gen. Mgr., Food A Div.
Trading company; EXPORTER: Soybean oil.

Mitsui Grain Corporation ★
Affiliate of Mitsui & Company, Ltd.
10 S. Wacker Drive, Suite 1965, Chicago, IL, 60606 U.S.A.; PH: 312/993-5712; FAX: 312/993-5741.
Other Offices: Portland, OR
CONTACT: Hiroshi Tokunaga, Asst. Gen. Mgr.
EXPORTER: Soybeans; soybean oil; soybean meal.

N. Hunt Moore & Associates ★
3951 Senator Street, Memphis, TN, 38118 U.S.A.; PH: 901/362-3267; FAX: 901/794-4221.
CONTACT: Jack G. Moore, Pres.
Aspirators; dehulling equipment; drying & aeration equipment, conditioners & coolers, meal dryers; flaking & cracking equipment; meal handling equipment, pulverizing equipment; screeners/screening equipment; solvent extraction equip-

ment; condensers; flake desolventizers, flash/vapor; solvent extraction distillation equipment; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; heat exchangers; margarine equipment; shortening equipment; engineering services.

See Our Advertisement P. 97

Motomco, Inc. ★
267 Vreeland Avenue, P.O. Box 300, Paterson, NJ, 07543 U.S.A.; PH: 201/345-6200; FAX: 201/279-5958.
CONTACT: Anthony Abbate, Ad. Mgr.
Dust control systems & supplies.

Mycal Group, Nichii Company of America ★
Affiliate of Nichii Company, Ltd., Japan
MAIN OFFICE: 23440 Hawthorne Blvd., Skypark 2, Suite 140, Torrance, CA, 90505 U.S.A.; PH: 213/791-0010; FAX: 213/791-0018.
Other Offices: Jefferson, IA (mfg.)
CONTACT: Al Richardson, Dir., Mkting. & Sales, Soy Prods.
Soymilk & tofu equipment & supplies; MICROSOY™ soy flake processing equipment. Supplier of soy flakes for food use. EXPORTER: MICROSOY™ soy flakes, organic and nonorganic.

See Our Advertisement P. 35, 56, 149

Nash-Kinema, Inc. ★
Affiliate of Nash Engineering Company
700 Glassport-Elizabeth Road, Elizabeth, PA, 15037 U.S.A.; PH: 412/384-3610; FAX: 412/384-4880.
Other Offices: AUSTRALIA (Nash Vacuum Systems); São Paulo, BRAZIL (Nash Brazil); Winsford, Cheshire, ENGLAND (Nash Engineering Co. [GB] Ltd.); Oberursel, FEDERAL REPUBLIC OF GERMANY (Nash Pumpen GmbH); Seoul, KOREA (Nash Vacuum Systems); SINGAPORE (Nash Int'l Co.); Stockholm, SWEDEN (Nash Hyton)
CONTACT: Richard T. Leong, Prod. Sales Mgr.
Solvent extraction equipment; solvent extraction distillation equipment; bleaching & filtering equipment; deodorization equipment; fatty acid distillation equipment.

National Dryer Services, Inc.
P.O. Box 29, Prospect, KY, 40059 U.S.A.; PH: 502/228-5353.
CONTACT: Terry L. Willis, Pres.
Drying & aeration equipment, conditioners & coolers, meal dryers; used equipment.

National Marine, Inc.
1515 Poydras Street, Suite 1500, New Orleans, LA, 70152 U.S.A.; PH: 504/529-8616.
Other Offices: Pittsburgh, PA; Chicago, IL; Houston, TX
CONTACT: Joe Chiedo, Mgr., Frt.
Transportation, barge line.

National News Bureau ★★
Box 5628, Philadelphia, PA, 19129 U.S.A.; PH: 215/546-8088.
CONTACT: Editor
News wires.

Natural Foods Merchandiser ★
Affiliate of New Hope Communications
1301 Spruce Street, Boulder, CO, 80302 U.S.A.; PH: 303/939-8440; FAX: 303/939-9559.
CONTACT: Steven M. Hoffman, Editorial Dir.
Publications/informational services.

The Nay Company
423 S. College Street, P.O. Box 605, Waxahachie, TX, 75165 U.S.A.; PH: 214/937-1652; FAX: 214/923-2517.
CONTACT: Darell Nay, Pres.
Conveyors (drag or en masse); commercial grain cleaners; loading & unloading equipment, barge, truck; soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; construction contractors, complete plants; consultants, plant layout.

Neogen Corporation ★
620 Lesher Place, Lansing, MI, 48912 U.S.A.; PH: 517/372-9200; FAX: 517/372-2006; TWX: 936-220 (NEOGEN).
CONTACT: Melissa Herbert, Int'l. Sales
Instruments/instrument systems, grain analyzers; analytical laboratories.

Neuero Corporation
1201 Hawthorne Lane, West Chicago, IL, 60185 U.S.A.; PH: 312/231-9020; FAX: 312/231-6120; TLX: 210239 (NERO UR).
CONTACT: Mike Hill, Vice Pres., Sales
Conveyors (drag or en masse); loading & unloading equipment, barge, railroad, ship, truck.

New Jersey Feed Lab, Inc.
910 Pennsylvania Avenue, CN 03650, Trenton, NJ, 08650 U.S.A.; PH: 609/392-8818; FAX: 609/392-3271.
CONTACT: Carl Schultze, Pres.
Analytical laboratories.

New Jersey Soybean Industry Advisory Council
New Jersey Dept. of Agriculture, CN 330, Trenton, NJ, 08625 U.S.A.; PH: 609/292-8853; FAX: 609/984-5367.
CONTACT: Logan Brown, Council Liaison
Publications/informational services.

Nikken Foods Company Ltd.
1374 Clarkson Clayton Center, Suite 319, Ellisville, MO, 63011 U.S.A.; PH: 314/532-1019; FAX: 314/527-5057; TLX: 7101111912.
CONTACT: Herbert Bench, Pres.
IMPORTER: Fermented Japanese soy sauce.

NIR Systems, Inc.
Affiliate of Perstorp Analytical
2441 Linden Lane, Silver Spring, MD, 20910 U.S.A.; PH: 301/495-7100; FAX: 301/587-9032.
CONTACT: Angela C. Sasso, Adv. Specialist
Instruments/instrument systems, grain analyzers, moisture testers, oil/protein/fiber analyzers; analytical laboratory equipment.

Nissho Iwai American Corporation ★
1211 Avenue of the Americas, New York, NY, 10036 U.S.A.; PH: 212/704-6848; FAX: 212/704-6838.
CONTACT: Shoji Obayashi, Gen. Mgr.
EXPORTER: Edible purpose soybean tofu/natto; soy lecithin; soy flour; IMPORTER: Edible purpose soybean tofu/natto; soy lecithin; soy flour.

The Nolan Company ★
1016 Ninth Street, S.W., Canton, OH, 44707 U.S.A.; PH: 614/269-2771; FAX: 614/269-1919.
CONTACT: Larry Longsworth, Chief Eng.
Loading & unloading equipment, railroad.

Norfolk Oil Transit, Inc. ★
P.O. Box 1756, Norfolk, VA, 23501 U.S.A.; PH: 804/622-2687; FAX: 804/623-4935.
CONTACT: Kent D. Kimball, Vice Pres.
Warehousing: export/import, bulk liquid storage, ocean port terminal.

Norfolk Southern Corporation ★
204 S. Jefferson Street, Roanoke, VA, 24042-0069 U.S.A.; PH: 703/985-6794; FAX: 703/985-6363.
CONTACT: Carl H. Fariss, Mkting. Mgr., Agricult. & Food Prods.
Transportation, railroad company.

Northrup King Company ★★
P.O. Box 959, Minneapolis, MN, 55440 U.S.A.; PH: 612/593-7333; FAX: 612/593-7165.
CONTACT: Kip Pendleton, Soybean Produce Mgr.
Soybean seed supplier.

Nosawa New York, Inc. ★
Affiliate of Nosawa & Company, Ltd., Japan
350 Fifth Avenue, Empire State Building, Suite 7616-7618, New York, NY, 10118 U.S.A.; PH: 212/594-3323; FAX: 212/563-0072; TLX: 234690 (NOSN UR).
CONTACT: Ike Yamamura, Sales Mgr.
Soymilk & tofu equipment & supplies.

Ohaus Corporation
Affiliate of Mettler USA
29 Hanover Road, P.O. Box 900, Florham Park, NJ, 07932 U.S.A.; PH:

201/377-9000; FAX: 201/593-0359; TLX: 685-3191 (OHAUSUW).
CONTACT: John Zorn, Nat'l. Sales Mgr.
Instruments/instrument systems, control, moisture testers; scales; computer process control, hardware, programming, software; weighing services & surveys.

The Ohio River Company & Orgulf Transport Company ★

Affiliate fo Midland Enterprises Inc.
P.O. Box 1460, Cincinnati, OH, 45201 U.S.A.; PH: 513/721-4000.
Other Offices: St. Louis, MO; Chicago, IL; Pittsburgh, PA
CONTACT: Carol Leigh, Mgr., Mkt. Communications
Trading company; transportation, barge line.

Oil-Dri Corporation of America ★

520 N. Michigan Avenue, Chicago, IL, 60611 U.S.A.; PH: 312/321-1515; TWX: 910-221-5280.
CONTACT: Fielden Fraley, Gen. Mgr.
Anti-caking agents; bleaching clays/earths.

OK Enterprises International Ltd.

1027 Grape Avenue, Sunnyvale, CA, 94087 U.S.A.; PH: 408/739-0544;; FAX: 408/732-3147.
CONTACT: Abraham Sule, Pres.
Soybean seed supplier; supplier of soybeans for food use.

Oliver Manufacturing Company, Inc.

17777 Highway 50, P.O. Box 512, Rocky Ford, CO, 81067 U.S.A.; PH: 719/254-7814; TLX: 709253 (OLIVER MFR CO).
CONTACT: Thomas Helman, Sales Mgr.
Commercial grain cleaners; screeners/ screening equipment.

Osmonics Inc.

5951 Clearwater Drive, Minnetonka, MN, 55343 U.S.A.; PH: 612/933-2277; FAX: 612/933-0141; TLX: 29-0847.
Analytical laboratory equipment; waste water treatment supplies.

Oxford Analytical Inc. ★

130A Baker Avenue Extension, Concord, MA, 01742 U.S.A.; PH: 508/371-9009; FAX: 508/371-0204.
CONTACT: Kenneth R. Davis, Sales Mgr.
Instruments/instrument systems, oil/protein/fiber analyzers, quality control metal detection; analytical laboratory equipment.

P.A.T.M. Company ★★

RR #2, P.O. Box 1, Swan, IA, 50252 U.S.A.; PH: 515/848-3760; FAX: 515/848-3760.
CONTACT: Douglas Downing, Pres.
Dust control systems & supplies; instruments/instrument systems, material level; loading & unloading equipment, barge, ship, truck; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; solvent extraction equipment; condensers; solvent extraction distillation equipment; crude oil storage (tanks); fatty acid distillation equipment; heat exchangers; refining/ neutralization equipment, chemical; antioxidants; emulsifiers; used equipment; waste water treatment equipment. Trading company; supplier of soybeans for food use; supplier of organically grown soybeans. EXPORTER: Soybeans, soymilk.

Pacific Soybean & Grain ★

495 De Haro Street, San Francisco, CA, 94107 U.S.A.; PH: 415/863-0867; FAX: 415/431-9494.
CONTACT: Daniel J. Burke, Pres.
Trading company; soybean seed supplier; supplier of soybeans for food use; supplier of organically grown soybeans; EXPORTER: Soybeans (varietal pure).

Pagaza & Sons Company ★

5400 Mitchelldale, Suite B8, Houston, TX, 77092 U.S.A.; PH: 713/680-2152; FAX: 713/680-1446; TLX: (ITT) 4998459 (IBECO).
CONTACT: Imanol Martin, Salesman
Trading company; EXPORTER: Oil, fully refined; IMPORTER: Crude oil.

Paine Webber, Inc.

141 West Jackson Blvd., 2nd Floor, Box 8, Chicago, IL, 60604 U.S.A.; PH: 312/580-8750; FAX: 312/580-1676.
Other Offices: New York, NY
CONTACT: Jim Harding, Mgr.
Broker, futures.

Panel Systems Company

Affiliate of Rolland Engineering, Inc.
123 Columbia Court, North, Chaska, MN, 55318 U.S.A.; PH: 612/448-4133; FAX: 612/448-2613.
CONTACT: M. Douglas Rolland, Pres.
Instruments/instrument systems, control.

PdT International, Inc.

323 W. Schlieman Avenue, Appleton, MN, 56208 U.S.A.; PH: 612/289-1981; FAX: 612/289-1982.
CONTACT: Otto Schmid, Pres.
Trading company; supplier of soybeans for food use; EXPORTER: Variety specific soybeans for food use.

Perstorp Analytical, Inc.

Affiliate of Perstorp Analytical BV
2875C Towerview Road, Herndon, VA, 22071 U.S.A.; PH: 703/435-3300; FAX: 703/435-3363.
CONTACT: Dieter Curlis, Pres.
Instruments/instrument systems, grain analyzers, moisture testers, oil/protein/ fiber analyzers; milling equipment supplies, spare parts & repair; solvent extraction equipment; solvent extraction distillation equipment; solvent vapor detection & control; analytical laboratory equipment; waste water treatment equipment.

Phillips 66 Company ★

328 Phillips Building Annex, Bartlesville, OK, 74004 U.S.A.; PH: 918/661-0875; FAX: 918/661-8379; TLX: 49-2455.
Other Offices: Tulsa, OK (Arrowhead Marketing Services)
CONTACT: Jim Adams, Mgr., Hydrocarbon Solvents
Dust control systems & supplies; solvents.

See Our Advertisement P. 132

Phys-Chem Scientific Corp.

36 W. 20th Street, New York, NY, 10011 U.S.A.; PH: 212/924-2070; FAX: 212/243-7352; TLX: 620706 (PHYS CHEM).
CONTACT: Stephen Weisskoff, Pres.
Moisture testers (measure relative humidity & temperature).

C. A. Picard Inc. ★

Affiliate of Carl Aug. Picard GmbH & Co. KG
103 S. Eleventh Street, Suite X, West Des Moines, IA, 50265 U.S.A.; PH: 515/222-1855; FAX: 515/222-1856.
Other Offices: Battle Creek, MI; Bellaville, KS
CONTACT: Lon Smallridge, Sales Mgr.
Cookers/extruders/roasters; milling equipment supplies, spare parts & repair; presses, continuous screw.

The Pillsbury Company ★

M.S. 27F3, Pillsbury Center, Minneapolis, MN, 55402 U.S.A.; PH: 612/330-4254; FAX: 612/330-8961; TLX: 687-9040 (PILLS UW).
CONTACT: Myron W. Achenbach, Mgr., Export Feed
Broker, cash/product, futures; trading company; EXPORTER: Soybean meal, 44% & 48%; soybeans.

Pitt-Des Moines, Inc.

3400 Grand Avenue, Neville Island, Pittsburgh, PA, 15225 U.S.A.; PH: 412/331-3000; FAX: 412/331-3188.
CONTACT: Rodger Marentis, Dir., Mkting.
Solvent extraction equipment; supercritical fluid (SFE); solvent extraction distillation equipment; supercritical fluid; deodorization equipment; fatty acid distillation equipment; fractionation equipment.

Plant Maintenance Service Corporation

3000 Fite Road, P.O. Box 280883, Memphis, TN, 38168 U.S.A.; PH: 901/353-9880; FAX: 901/353-9880 (Ext. 219); TLX: 510-100-2930.
Other Offices: Memphis, TN
CONTACT: Harold H. Perry, Vice Pres.
Conveyors (drag or en masse); cookers/extruders/roasters; coolers, fluidized bed; drying & aeration equipment, conditioners & coolers; flaking & cracking equipment; solvent extraction equipment; condensers; solvent extraction distillation equipment; crude oil storage (tanks);

deodorization equipment; fatty acid distillation equipment; heat exchangers; hydrogenation equipment; oil dryers.

Pope Testing Laboratories, Inc.
2618 Main Street, P.O. Box 903, Dallas, TX, 75221 U.S.A.; PH: 214/742-8491; FAX: 214/748-2999.
CONTACT: Leon S. Hunter, Pres.
Analytical laboratories.

Port of Houston Authority ★
P.O. Box 2562, Houston, TX, 77252 U.S.A.; PH: 713/670-2563; FAX: 713/670-2438; TLX: (WU) 792623 (HOUPUBHOU).
CONTACT: Glenn Feilner, Mgr., Bulk Facility
Transportation, barge line, ocean freight line; warehousing: export/import, U.S. interior port, ocean port terminal; EXPORTER: Bulk soybeans; soybean meal.

Porter Testing Laboratory
1014 S. Walker, P.O. Box 25303, Oklahoma City, OK, 73125 U.S.A.; PH: 405/235-7985; FAX: 405/235-7986.
CONTACT: Steve Daves, Owner
Analytical laboratories.

Prater Industries, Inc. ★
1515 S. 55th Court, Chicago, IL, 60650 U.S.A.; PH: 708/656-8500; FAX: 708/656-8576; TLX: 284312.
CONTACT: Michael G. Apple, Cust. Service Mgr.
Air classifiers; instruments/instrument systems, control, warning systems; scales; flaking equipment; meal handling equipment, hammer mills, mixing equipment (dry), pulverizing equipment; milling equipment supplies, spare parts & repair; screeners/screening equipment; computer process control, programming, software.

See Our Advertisement P. 142

Pro-Fab, Inc. ★★
1050 A. W. Jefferson Street, Morton, IL, 61550 U.S.A.; PH: 309/263-8454; FAX: 309/263-1464.
CONTACT: Stephen Kopetz, Pres., Shop or Hank Braner, Vice Pres., Construction
Conveyors (drag or en masse); cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; solvent extraction equipment; condensers; flake desolventizers, flash/vapor; crude oil storage (tanks); deodorization equipment; fat splitters; fatty acid distillation equipment; fractionation equipment; heat exchangers; hydrogenation equipment; oil dryers; margarine equipment; shortening equipment; soy protein equipment & supplies; waste water treatment equipment; construction, complete plants; protein plants; consultants, equipment, plant layout; engineer services; inspection services.

Pro-Seed, Inc. ★
236 Sugar Street, P.O. Box 55, Blissfield, MI, 49228 U.S.A.; PH: 517/486-3520; FAX: 517/486-2631.
CONTACT: Ronald Jacob, Vice Pres.
Soybean breeder, soybean seed supplier; supplier of soybeans for food use.

Process Systems, Inc. (PSI) ★
1790 Kirby Parkway, Suite 300, Memphis, TN, 38138 U.S.A.; PH: 901/756-8250; TWX: 910-240-6506; FAX: 901/756-8253.
Other Offices: Decatur, IL
CONTACT: Leo McKittrick, Vice Pres., Bus. Dev.
Engineering services.

Professional Farmers of America ★★
219 Parkade, Cedar Falls, IA, 50613 U.S.A.; PH: 319/277-1278.
CONTACT: Bob Coffman, Man. Editor
Marketing consultant; news wires, commodity; publication/informational services.

Progressive Development, Inc.
550 Progress Drive, Hartland, WI, 53029 U.S.A.; PH: 414/367-5044; FAX: 414/367-8123.
CONTACT: Lowell C. Frank, Pres.
Dust control systems & supplies; drying & aeration equipment, meal dryers.

Protein Research Associates ★
901 Grayson Street, Berkeley, CA, 94710 U.S.A.; PH: 415/845-7614.
CONTACT: Theodore Aarons, Dir.
Consultants, product development; contract research (pilot scale).

Quadro, Inc.
MAIN OFFICE: 107 Hawthorne Avenue, Park Ridge, NJ, 07656 U.S.A.; PH: 201/391-6264; FAX: 201/391-6804.
Other Offices: Sonoma, CA; Waterloo; St. Jacobs, Ontario, CANADA
CONTACT: Fred Giordano, Pres.
Meal handling equipment, hammer mills, mixing equipment (dry), pulverizing equipment; milling equipment supplies, spare parts & repair; screeners/screening equipment.

Quadro, Inc. ★★
3 Wiedemann Avenue, Clifton, NJ, 07011 U.S.A.; PH: 201/772-1266; FAX: 201/772-2232.
Other Offices: Sonoma, CA; Chicago, IL; Park Ridge, NJ; Philadelphia, PA
CONTACT: David Adams, Vice Pres., Sales
Flaking & cracking equipment; meal handling equipment, pulverizing equipment; screeners/screening equipment; agitators (liquid); emulsifiers.

Rainey Commodities, Inc. ★
5160 Sanderlin Avenue, Suite 1, Memphis, TN, 38117-4371 U.S.A.; PH: 901/767-0010.
CONTACT: Jasper E. Rainey, Pres.
Broker, cash/product, futures.

The Rapat Corporation ★
Sales Dept., Hawley Industrial Park, Hawley, MN, 56549 U.S.A.; PH: 218/483-3344; FAX: 218/483-3535.
CONTACT: Mike Spilum, Sales
Conveyors (drag or en masse); loading & unloading equipment, barge, railroad, ship, truck.

RBD Technologies ★★
P.O. Box 1631, Mill Valley, CA, 94942 U.S.A.; PH: 415/381-8815; FAX: 415/381-0813.
CONTACT: Kenneth F. Carlson, Pres.
Bleaching & filtering equipment; centrifuges; degumming equipment; filter presses; refining/neutralization equipment, chemical.

Reliance Electric Company ★
P.O. Box 17438, Cleveland, OH, 44117 U.S.A.; PH: 800/245-4501.
CONTACT: Pat Brown, Adv. Mgr.
Conveyors (drag or en masse); instruments/instrument systems, automatic samplers; scales; soybean storage equipment & supplies, elevator & silo storage; milling equipment supplies, spare parts & repair; analytical laboratory equipment.

W. L. Richeson & Sons, Inc. ★
Sanlin Building, 422 Canal Street, P.O. Box 50248, New Orleans, LA, 70150 U.S.A.; PH: 504/529-5641; FAX: 504/586-1754; TLX: 58256 (RICHESON NLN).
CONTACT: J. R. Surgi, Vice Pres.
Forwarding agent.

Rickel, Inc.
P.O. Box 255, Bonner Springs, KS, 66012-0255 U.S.A.; PH: 816/561-5912; FAX: 816/756-1369.
Other Offices: Wichita, KS; Ft. Smith, AR; Springfield, OH
CONTACT: Dick Bredesen, Mdse. Mgr, Roasted Prods.
Cookers/extruders/roasters (soybean roasters). Trading company; EXPORTER: Roasted soybeans (full fat); soybean roasters.

Ring Around Research Center ★
Service Road I-27, P.O. Box 1017, Hale Center, TX, 79041 U.S.A.; PH: 806/830-2424 or 296-6161.
CONTACT: William H. Davis, Proj. Leader
Research in soybean breeding.

River Grain Company ★
900 Catlett Street, P.O. Box 200, Hickman, KY, 42050 U.S.A.; PH: 502/236-9000; FAX: 502/236-3773.
CONTACT: Jack Hudgens, Mgr.
Warehousing: export/import, U.S. interior port.

★ Updated Listing
★★ New Listing

Roach Ag. Marketing Ltd.
Highway 141 & 12th Street, P.O. Box 388, Perry, IA, 50220 U.S.A.; PH: 515/465-5381; FAX: 515/465-5833.
Other Offices: Cedar Rapids, IA; West Point, NE
CONTACT: John Roach, Pres.
Broker, futures; marketing consultant; publications/informational services.

Robinson Milling Systems
2955 Fairfax Trafficway, Kansas City, KS, 66115 U.S.A.; PH: 913/621-6466; FAX: 913/621-1729.
Other Offices: Toronto, Ont., CANADA
CONTACT: Ben J. Ross, Sales Mgr.
Aspirators; milling equipment supplies, spare parts & repair; screeners/ screening equipment.

Dennis E. Roby & Associates Inc. ★
1900 E. Eldorado, P.O. Box 1425, Decatur, IL, 62525 U.S.A.; PH: 217/429-4412; FAX: 217/429-4416.
CONTACT: Bryan K. Mikeworth, Mgr.
Consultants, industrial processes, plant layout; engineering services.

George A. Rolfes Company ★
P.O. Box 458, Boone, IA, 50036 U.S.A.; PH: 515/432-3300; FAX: 515/432-6919; TWX: 910-520-2431.
CONTACT: Myron Oliver, Sales Mgr.
Dust control systems & supplies; instruments/instrument systems, control, temperature monitors; drying & aeration equipment.

Rolland Engineering, Inc.
123 Columbia Court, No., Chaska, MN, 55318 U.S.A.; PH: 612/448-4133.
Consultants, industrial processes, plant layout; engineering services.

Rose International ★
P.O. Box 5020, Santa Rosa, CA, 95402-5020 U.S.A.; PH: 707/576-7050; FAX: 707/545-7116.
CONTACT: Richard Rose, Pres.
Consultants, equipment, industrial processes, product development; contract research (pilot scale). Marketing consultant; EXPORTER: Various.

Roskamp-Champion ★
2975 Airline Circle, Waterloo, IA, 50703 U.S.A.; PH: 319/232-8444; FAX: 319/236-0481.
CONTACT: George Wendelin, Sales Mgr.
Flaking & cracking equipment; meal handling equipment, pulverizing equipment.

Rotex Inc. ★
1230 Knowlton Street, Cincinnati, OH, 45223 U.S.A.; PH: 513/541-1236; FAX: 513/541-4888.
CONTACT: Roger Robins
Commercial grain cleaners; screeners/ screening equipment.

L. A. Salomon Inc. ★
Affiliate of Süd-Chemie AG
150 River Road, Suite A-4, Montville, NJ, 07045 U.S.A.; PH: 201/335-8300; FAX: 201/335-1236; TLX: 961470 (SALOMON SCNA).
CONTACT: A. M. Rossetto, Jr., Pres.
Bleaching clays/earths.

San Labs
Affiliate of Cargill, Inc.
405 8th Avenue, S.E., Cedar Rapids, IA, 52401 U.S.A.; PH: 319/366-3570; FAX: 319/366-4018.
CONTACT: Nadine Drennan, Lab Mgr.
Analytical laboratories.

Sanders Elevator Corp. ★
North Sharpe Avenue, P.O. Box 1169, Cleveland, MS, 38732 U.S.A.; PH: 601/843-2394; FAX: 601/843-6250.
CONTACT: Sonny King, Secy./Treas.
Warehousing: export/import, U.S. interior; soybean seed supplier.

E. W. Saybolt & Company
2100 L & A Road, P.O. Box 218, Metairie, LA, 70001 U.S.A.; PH: 504/833-1463; FAX: 504/837-7956; TLX: 823-320.
Other Offices: Houston, TX; Kenilworth, NJ; Philadelphia, PA
CONTACT: Shams Mustafa, Mgr., Agri.
Analytical laboratories; inspection services; weighing services & surveys.

Scandura, Inc.
Affiliate of BBA Group plc
1801 N. Tryon Street, P.O. Box 30606, Charlotte, NC, 28230 U.S.A.; PH: 704/334-5353; TWX: 810-621-7880; FAX: 704/334-6301.
Other Offices: Port Clinton, OH; Bracebridge, Ontario, CANADA
CONTACT: Chuck Robbins, Mgr., Mkting. Services
Conveyors.

Schipke Engineers
5100 Thimsen Avenue, Minnetonka, MN, 55345 U.S.A.; PH: 612/474-3295; FAX: 612/474-3298.
CONTACT: John Ringstom, Pres.
Computer process control, hardware; consultants, equipment, industrial processes, plant layout; engineering services.

Schlagel, Inc.
491 North Emerson Avenue, P.O. Box 353, Cambridge, MN, 55008 U.S.A.; PH: 612/689-5991; FAX: 612/689-5310.
CONTACT: Al Havemeier, Vice Pres.
Conveyors (drag or en masse); loading & unloading equipment, barge, railroad, ship, truck; soybean storage equipment & supplies, elevator & silo storage.

Schnupp's Grain Roasting, Inc. ★
R.D. 6, Box 840, Lebanon, PA, 17042 U.S.A.; PH: 717/865-6611; FAX: 717/865-7334.
CONTACT: Dale L. Schnupp, Pres.
ROAST-A-MATIC GRAIN ROASTER cookers/extruders/roasters. EXPORTER: Roast-a-Matic Grain Roaster.

Schouten USA Inc. ★
Affiliate of Schouten/Giessen NV
6750 France Avenue, So., Minneapolis, MN, 55435 U.S.A.; PH: 612/920-7700; FAX: 612/920-7704; TLX: (TRT) 192112 (SCHOUTEN USA).
CONTACT: Arthur J. Otto, Pres.
Trading company; EXPORTER: Soybeans; soybean meal.

Scoular Grain Company
2027 Dodge Street, Omaha, NE, 68102 U.S.A.; PH: 402/342-3500; FAX: 402/342-5568.
Other Offices: Kansas City, MO; Fresno, CA
CONTACT: Duane A. Fischer, Pres.
Broker, cash/product; warehousing: export/import, U.S. interior.

Screw Conveyor Corporation
700 Hoffman Street, Hammond, IN, 46327 U.S.A.; PH: 219/931-1450; TWX: 510-601-7007; FAX: 219/931-0209.
Other Offices: Visalia, CA (Screw Conveyor Pacific Corp. (office & mfg.); Chanute, KS (Screw Conveyor Corp., mid-states div. (office & mfg.); Winona, MS (office & mfg.); Atlanta, GA (office)
CONTACT: Dwight L. Snow, Vice Pres., Sales & Mkting.
Conveyors (drag or en masse); loading & unloading equipment, truck.

Seaboard Trading Limited ★
Affiliate of Seaboard Corp.
9000 W. 67th Street, P.O. Box 2972, Shawnee Mission, KS, 66201 U.S.A.; PH: 809/295-0925; FAX: 809/295-0925; TLX: 3487 (SAMVA).
CONTACT: Luis H. Rodriguez, Vice Pres., Trading
Broker, cash/product, futures; trading company; transportation, ocean freight line; EXPORTER: Oilseeds and by-products (meal and pellets); IMPORTER: Oilseed meals and pellets.

Seedburo Equipment Company
1022 W. Jackson Blvd., Chicago, IL, 60607 U.S.A.; PH: 312/738-3700; FAX: 312/738-5329; TLX: 270378 (SEEDBURO CGO).
Other Offices: Minneapolis, MN (Gamet Mfg. Co.)
CONTACT: Kathy Reading, Sales Mgr.
Aspirators; bags, bagging equipment; conveyors (drag or en masse); commercial grain cleaners; instruments/instrument systems, automatic samplers, grain analyzers, material level, moisture testers, oil/protein/fiber analyzers, quality control metal detection, temperature monitors; scales; soy protein equipment & supplies; analytical laboratory equipment.

SGS Control Services, Inc.
42 Broadway, 20th Floor, New York, NY, 10004 U.S.A.; PH: 212/482-8700; FAX: 212/363-2907; TLX: 426974 (SUP UI).
CONTACT: Norman A. Green, Vice Pres.
Analytical laboratories; inspection services; weighing services & surveys.

SGS Control Services, Inc. ★★
Affiliate of SGS North America
1019 Harbor Avenue, P.O. Box 13484, Memphis, TN, 38113 U.S.A.; PH: 901/775-1766; FAX: 901/775-3308.
Other Offices: St. Rose, LA; Carteret, NJ; Houston, TX
CONTACT: Bill Lyons, Regional Mgr.
Analytical laboratories; inspection services; weighing services & surveys.

Shanzer Grain Dryer
Affiliate of D & W Industries, Inc.
P.O. Box 834, Sioux Falls, SD, 57101 U.S.A.; PH: 605/336-0439; FAX: 605/336-9569.
CONTACT: Glen Hansen, Pres.
Drying & aeration equipment, grain dryers.

Shivvers, Inc.
614 W. English, P.O. Box 467, Corydon, IA, 50060 U.S.A.; PH: 515/872-1005; TLX: 910-520-1970 (SHIVVERS CRYD).
CONTACT: Roy Truax, Sales Mgr.
Drying & aeration equipment, grain dryers.

Siegel Chemical Export Corporation ★
23 Bonnyview Drive, Livingston, NJ, 07039; U.S.A.; PH: 201/535-9580; FAX: 201/535-9576.
CONTACT: Kiki Siegel, Vice Pres.
EXPORTER: Lecithin, soybeans, soybean oil, soy meal.

Siftex Equipment Company ★
36 Kent Lane, So. Windsor, CT, 06074 U.S.A.; PH: 203/644-7438.
CONTACT: Steve Weil, Gen. Mgr.
Dust control systems & supplies; milling equipment supplies, spare parts & repair; screeners/screening equipment; used equipment.

Sigco Sun Products, Inc.
90 N. 8th Street, P.O. Box 331, Breckenridge, MN, 56520 U.S.A.; PH: 218/643-8467; FAX: 218/643-4555; TLX: 910-561-3930 (RESH BRKR).
Other Offices: Wahpeton, ND; Breckenridge, MN; Colby, KS
CONTACT: David A. Skyberg, Pres.
Supplier of soybeans for food use; supplier of organically grown soybeans; EXPORTER: Soybeans.

Sikes Machine Shop, Inc.
2100 Industrial Drive, P.O. Box 370, Slaton, TX, 79364 U.S.A.; 806/828-6568; FAX: 806/828-6569.
CONTACT: Donald Sikes, Vice Pres.
Cookers/extruders/roasters; presses, continuous screw; solvent extraction equipment.

W. M. Simeral & Company, Inc.
29 N. River Street, Batavia, IL, 60510 U.S.A.; PH: 708/406-1400; FAX: 708/406-1499; TLX: 281006 (WMSIMERAL HINS).
Other Offices: Burbank, CA (Ryco Inc.); San Juan, PR (Interagro Commodities); Metro Manila, PHILIPPINES
CONTACT: Steve Simeral, Pres.
Broker, cash/product.

Simes, Inc. ★
Box 38, Walters, MN, 56092 U.S.A.; PH: 507/294-3780.
CONTACT: Jerry Hanson, Bus. Mgr.
Drying & aeration equipment, grain dryers.

Simons-Conkey, Inc. ★
Affiliate of H. A. Simons Ltd.
Towle Building, 330 2nd Avenue, So., Suite 545, Minneapolis, MN, 55401 U.S.A.; PH: 612/332-8326; FAX: 612/332-2423.
Other Offices: Atlanta, GA (Simons-Eastern Consultants Inc.); Vancouver, B.C.; Montreal; Toronto, Ontario, CANADA (H. A. Simons Ltd.); São Paulo, BRAZIL (Natron-Simons); Melbourne, Victoria, AUSTRALIA (H. A. Simons Ltd.); Auckland, N.I., NEW ZEALAND (Beca Simons Ltd.)
CONTACT: George J. Chuba, Mgr., Bus. Dev.
Computer process control, hardware, programming, software; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout; product development; engineering services; inspection services.

Simons-Eastern Consultants Inc.
Affiliate of H. A. Simons Ltd.
1 W. Court Square, P.O. Box 1286, Atlanta, GA, 30301-1286 U.S.A.; PH: 404/370-3200; FAX: 404/370-3686.
Other Offices: Minneapolis, MN (Conkey/KWM, Inc.); Vancouver, B.C.; Montreal; Toronto, Ontario, CANADA (H. A. Simons Ltd.); São Paulo, BRAZIL (Natron-Simons); Melbourne, Victoria, AUSTRALIA (H. A. Simons Ltd.); Auckland, N.I., NEW ZEALAND (Beca Simons Ltd.)
CONTACT: Bill Vaughn, Mgr., Food Bev. & Consumer Prods.
Computer process control, hardware, programming, software; construction contractors, complete plants, protein plants; consultants, equipment, plant layout, industrial processes, product development; engineering services; inspection services.

Slidell, Inc.
1234 Brady Blvd. N.W., P.O. Box 710, Owatonna, MN, 55060 U.S.A.; PH: 507/451-0365; FAX: 507/451-2405.
CONTACT: Dale Benjamin, Sales Mgr.
Bags, bagging equipment; conveyors (drag or en masse); instruments/instrument systems, material level; soyfoods packaging equipment & supplies; used equipment.

Smico Manufacturing Corp. ★
500 N. MacArthur Blvd., Oklahoma City, OK, 73127 U.S.A.; PH: 405/946-1461 or 800/351-9088; FAX: 405/946-1472.
CONTACT: Bill Belous, Pres. & Gen. Mgr.
Air classifiers; aspirators; commercial grain cleaners; dust control systems & supplies; dehulling equipment; screeners/screening equipment; waste water treatment equipment.

Smith, Barney, Harris, Upham & Company, Inc. ★
3 First National Plaza, 51st Floor, Chicago, IL, 60602 U.S.A.; PH: 312/419-3422; FAX: 312/419-3430.
CONTACT: John Benjamin, Man. Dir.
Broker, futures.

A. R. Smith & Company, Inc. ★
2217 - 152nd, N.E., P.O. Box 6369, Bellow, WA, 98007 U.S.A.; PH: 206/643-4515; TLX: (WU) 910-250-8154 (A.R. SMITH CO UQ).
CONTACT: Bruce Heyduck, Mdser.
Broker, cash/product; trading company; transportation, trucking firm; warehousing: export/import, ocean port terminal; supplier of soybeans for food use; EXPORTER: Soybeans, soymeal.

Norman O. V. Sonntag, PhD. ★
306 Shadow Wood Trail, Red Oak, TX, 75154 U.S.A.; PH: 214/617-3033.
CONTACT: Norman O.V. Sonntag, Pres.
Marketing consultant, chemical & industrial uses, not oil.

Sosland Publishing Company ★★
4800 Main, Suite 100, Kansas City, MO, 64112 U.S.A.; PH: 816/756-1000; FAX: 816/756-0494.
CONTACT: Carol D. Kaskie, Promotion Mgr.
Publications/informational services.

The South American News Agency, Inc.
151 W. 46th Street, 11th Floor, New York, NY, 10036 U.S.A.; PH: 212/840-2210; FAX: 212/575-4985.
CONTACT: Paulo Gilkas
News wires, commodity; publications/information services.

Southern Testing and Research Laboratories, Inc. ★
3709 Airport Drive, Wilson, NC, 27893 U.S.A.; PH: 919/237-4175; FAX: 919/237-9341.
CONTACT: Kenneth Boyer, Pres, Tech. Dir.
Analytical laboratories, full service; complete foods, feeds, pet foods, premixes, formulated products, grains and ingredient analysis; complete nutritional labeling packages; amino acids, protein, fiber, ash, vitamins, minerals, trace metals, fats and oils, fatty acid profiles, plant sterols, foods and feeds additives analysis; aflatoxins, pesticides, herbicides, fumigants, PCBs, and other residues; microbiological, antibiotics, and shelf-life studies; over 50 chemists, microbiologists and support personnel in new 19,000 sq. ft. laboratory.

See Our Advertisement P. 101

Soy-Cot Sales, Inc. ★
2590 E. Devon Avenue, Des Plaines, IL, 60018 U.S.A.; PH: 708/297-4160; FAX: 708/297-4166; TLX: 726319 SOY COT DSP).
CONTACT: Ann M. Vicek, Pres.
Broker, cash/product.

Soyatech, Inc. ★
318 Main Street, P.O. Box 84, Bar Harbor, ME, 04609 U.S.A.; PH: 207/288-4969; FAX: 207/288-5264.
CONTACT: Peter Golbitz, Pres./Publisher
Consultants; equipment, industrial processes, plant layout, product development; contract research (pilot scale). Marketing consultant (specialized market studies); news wires, commodity; publications/informational services (Soya Bluebook).

See Our Advertisement P. 43, 129

Soybean Digest
Affiliate of The American Soybean Association (ASA)
540 Maryvill Centre Drive, P.O. Box 41309, St. Louis, MO, 63141-1309 U.S.A.; PH: 314/576-2788; FAX: 314/576-2786.
CONTACT: Gregg Hillyer, Editor
Publications/informational services.

Soyfoods Center ★
P.O. Box 234, Lafayette, CA, 94549-0234 U.S.A.; PH: 415/283-2991; FAX: 415/283-9091.
CONTACT: William Shurtleff, Pres.
Consultants, equipment, industrial processes, plant layout, product development, starting soyfoods companies. Marketing consultant; publications/informational services.

Soypro International, Inc. ★
314 Main Street, Cedar Falls, IA, 50613 U.S.A.; PH: 319/277-4700; FAX: 319/266-8544; TLX: (WU) 465653 (SOYPRO).
CONTACT: Robbins W. Fischer, Pres.
Consultants, industrial processes, plant layout, product development; engineering services.

Sparks Companies, Inc. ★★
869 Ridge Lake Blvd., Memphis, TN, 38187-0339 U.S.A.; PH: 901/766-4600; FAX: 901/766-4695; TLX: 823299.
CONTACT: Bruce Scherr, Exec. Vice Pres.
Financial, commodity hedger, economic forecaster; marketing consultant; news wires, commodity; publications/informational services.

Specialty Fabrication, Inc.
1517 N. Santa Fe, Wichita, KS, 67214 U.S.A.; PH: 316/264-0603.
CONTACT: Daniel J. Phillippi, Pres.
Aspirators; dust control systems & supplies; soybean storage equipment & supplies, elevator & silo storage.

Specialty Grain Company ★
12202 Woodbine, Redford, MI, 48239 U.S.A.; PH: 313/535-9222; FAX: 313/535-9712.
CONTACT: David Singsank, Mkting. Dir.
Trading company; transportation, ocean freight line, trucking firm; supplier of organically grown soybeans; supplier of soybeans for food use; EXPORTER: OCIA organic Clear Hilum soybeans; OCIA organic Corsoy soybeans; OCIA organic partial fat (6%) soy meal; soy flakes (organic); OCIA organic unrefined soy oil (degummed & not degummed); Protein Wake Up breakfast cereal with soy; roasted soybeans (organic).

Specialty Grains, Inc. ★
3001 Gill Street, Bloomington, IL, 61704 U.S.A.; PH: 309/662-8721; FAX: 309/662-0278.
Other Offices: Bonita Springs, FL; LeRoy, IL
CONTACT: J. Curtis Haynes, Pres.
Soybean seed supplier; supplier of soybeans for food use; EXPORTER: Soybeans for tofu, miso, natto, sprouts, tempeh and soymilk.

H. C. Spinks Clay Company, Inc. ★
Highway 79, South, P.O. Box 820, Paris, TN, 38242 U.S.A.; PH: 901/642-5414; TWX: 810-592-7104 (SPINKS PRIS); FAX: 901/642-5493.
CONTACT: Larry A. Quattrocchi, Sales Mgr.
Anti-caking agents.

Sprout-Bauer, Inc.
Affiliate of Asia Brown Boveri
Sherman Street, Muncy, PA, 17756 U.S.A.; 717/546-8211; FAX: 717/546-1140.
Other Offices: AUSTRIA; Orleans, FRANCE; Sydney, AUSTRALIA
CONTACT: Gary Staggs, Vice Pres., Units
Aspirators; conveyors (drag or en masse); cookers/extruders/roasters; drying & aeration equipment, conditioners & coolers; flaking & cracking equipment; meal handling equipment, mixing equipment (dry), pelleting equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; presses, continuous screw; screeners/screening equipment; bleaching & filtering equipment; consultants, equipment, plant layout; engineering services.

A. E. Staley Manufacturing Company, Gunther Division ★
2200 Eldorado Street, P.O. Box 151, Decatur, IL, 62525-1801 U.S.A.; PH: 217/421-2941; TLX: (Decatur) 6871552 or 25-0113 (STLW UW AE STALEY CO DTR); TWX: (Decatur) 910-243-0459.
Other Offices: Galesburg, IL (mfg.)
CONTACT: Steve Martin, Prod. Mgr.
EXPORTER: Modified proteins (functional blends). Contact M. R. Albert, Export Sales Admin.

Star Systems, Filtration Division
Affiliate of The Hilliard Corporation
101 Kershaw Street, P.O. Box 518, Timmonsville, SC, 29161 U.S.A.; PH: 803/346-3101; FAX: 803/346-3736; TLX: 932400.
CONTACT: Scott Thomas, Sales Mgr.
Filter presses.

Steelcraft Corporation ★
2700 Jackson Avenue, P.O. Box 12748, Memphis, TN, 38182-0748 U.S.A.; PH: 901/452-5200; FAX: 901/452-3714.
CONTACT: Will A. Hord, Pres.
Dust control systems & supplies.

Jacob Stern & Sons, Inc.
1464 East Valley Road, P.O. Box 50740, Santa Barbara, CA, 93150 U.S.A.; PH: 805/565-1411; FAX: 805/565-1415; TLX: 658312 (J STERN SNC).
Other Offices: Houston, TX; Seattle, WA; Clovis, CA (Snow Commodities Co.)
CONTACT: Philip L. Bernstein, Pres.
Trading company.

Stine Seed Farm, Inc.
R.R. 3, Box 204, Adel, IA, 50003 U.S.A.; PH: 515/677-2605; FAX: 515/677-2716.
CONTACT: Harry H. Stine, Pres.
Soybean breeder; soybean seed supplier.

Stone Forwarding Company, Inc. ★
5177 Richmond Avenue, Suite 1020, P.O. Box 1954, Houston, TX, 77251 U.S.A.; PH: 713/552-1325; FAX: 713/552-1351.
Other Offices: Galveston, TX; Corpus Christi, TX
CONTACT: R. Frank Mendel, Pres.
Forwarding agent.

Stout Industrial
11202 Sylvania Avenue, Berkey, OH, 43504 U.S.A.; PH: 419/829-2538; FAX: 419/643-4762.
CONTACT: Herman Langenderser, Pres.
Loading & unloading equipment, barge, railroad, ship, truck; scales; soybean storage equipment & supplies, building (flat storage), elevator & silo storage; construction contractors, complete plants.

Strayer Seed Farms ★
162 West Hwy. 58, Hudson, IA, 50643 U.S.A.; PH: 319/988-4187; FAX: 319/988-3922.
CONTACT: Dennis Strayer, Gen. Mgr.
Marketing consultant; soybean breeder; soybean seed supplier; supplier of soybeans for food use; supplier of organically grown soybeans; EXPORTER: Specialty soybeans for food use (including high protein, special protein quality, high oil, small seed, large seed).

See Our Advertisement P. 151

Stuart Equipment Company ★★
2300 Commonwealth, P.O. Box 469, No. Chicago, IL, 60064-0469 U.S.A.; PH: 708/473-4500; FAX: 708/473-4504.
CONTACT: Sales Dept.
Used equipment.

Sturtevant Inc. ★
103 Clayton Street, Boston, MA, 02122 U.S.A.; PH: 617/825-6500; FAX 617/282-0776; TLX: 94-0677.
CONTACT: Frank Sereno, Sales Mgr.
Air classifiers; aspirators; impact pin mills.

Sulzer Chemtech, c/o Sulzer USA Inc. ★
2901 Wilcrest, Suite 450, Houston, TX 77042 U.S.A.; PH: 713/780-4200; FAX: 713/780-2848; TLX: 792357 (SULZER HOU).
Other Offices: Ravensburg, GERMANY, FEDERAL REPUBLIC OF (Sulzer-Escher Wyss GmbH)
CONTACT: Peter Tronsberg, Mgr.
Dryers & coolers, fluidized bed; dehulling equipment; drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers.

Sumitomo Corporation of America
345 Park Avenue, New York, NY, 10154 U.S.A.; PH: 212/207-0692; FAX: 212/207-0848; TLX: (WUD) 12311 (SUMITOMONYK A).
CONTACT: Nobunari Kumagai, Prod. Mgr., Oilseeds
Trading company.

Superior Welding Company ★
900 E. Division Street, P.O. Box 949, Decatur, IL, 62525-0949 U.S.A.; PH: 217/422-4333; FAX: 217/425-1536; TLX: 250-135 (SUPWELD DTR).
CONTACT: Kenneth E. Stolley, Vice Pres. & Gen. Mgr.
Drying & aeration equipment, conditioners & coolers, grain dryers, meal dryers; solvent extraction equipment; condensers; flake desolventizers, normal DT; solvent extraction distillation equipment; crude oil storage (tanks); heat exchangers.

Sweco, Inc. ★
7120 Buffington Road, Florence, KY, 41022 U.S.A.; PH: 606/727-5191; FAX: 606/727-5122.
Other Offices: Toronto, Ontario, CANADA; Nivelles, BELGIUM; SINGAPORE
CONTACT: Brad Jones, Sr. Prod. Mgr.
Screeners/screening equipment.

Sweet Manufacturing Company ★
2000 E. Leffel Lane, P.O. Box 1086, Springfield, OH, 45501 U.S.A.; PH: 513/325-1511 or 800/334-7254; FAX: 513/322-1963; TLX: 205428 (SWEET SPI).
CONTACT: Mark Myers, Sales Mgr.
Soybean storage equipment & supplies, elevator & silo storage.

Tamaco Products ★
3860 Loomis Trail Road, Blaine, WA, 98230 U.S.A.; PH: 206/332-6010.
Other Offices: Vancouver, B.C., CANADA (sales office)
CONTACT: Annelie Hoyer, Pres.
Margarine equipment (valves); shortening equipment (valves); used equipment (valve rebuilding).

Taus Trading Company
327 S. LaSalle Street, Suite 1000, Chicago, IL, 60604 U.S.A.; PH: 312/408-5600; FAX: 312/408-0903.
Other Offices: Atlanta, GA
CONTACT: Christian A. Taus, Pres.
Broker, cash/product, futures; financial, commodity hedger; marketing consultant; trading company; publications/informational services.

James C. Taylor Company Inc.
415 Cambridge Avenue #10, Palo Alto, CA, 94306 U.S.A.; PH: 415/321-6660.
CONTACT: Merridee Taylor, Pres.
Broker, cash/product.

Taylor-Stiles Division, J. H. Day Company ★
Affiliate of Littleford Group Inc.
4932 Beech Street, Cincinnati, OH, 45212 U.S.A.; PH: 513/841-3600; FAX: 513/841-9206; TLX: 214392 (DAYMIXING NRWD).
Other Offices: Des Plaines, IL; Mahwah, NJ; Vermilion, OH; Atlanta, GA; Houston, TX (Apogee Engineering); San Juan, PR (INSECO Co.); St. Catharines, Ontario, CANADA (Firing Industries); Chapultepec Morales, Mexico D.F., MEXICO (Littleford Group Inc.)
CONTACT: Jai K. L. Bajaj, Bus. Mgr.
Meal handling equipment, pulverizing equipment.

Terral-Norris Seed Company, Inc. ★★
P.O. Box 826, Lake Providence, LA, 71254 U.S.A.; PH: 318/559-2840; FAX: 318/559-2888.
CONTACT: Larry J. Mullen, Sales Dir.
Soybean breeder; soybean seed supplier. EXPORTER: Soybean seed.

Texaco Chemical Company ★
A subsidiary of Taxaco Inc.
3040 Post Oak Boulevard, Houston, TX, 77227-7706 U.S.A.; PH: 713/235-6326; FAX: 713/235-6438; TLX: 227031 (TEX UR).
CONTACT: Donna M. Fuhrmann, Prod. Supervisor, Solvents
Solvents.

Thionville Laboratories, Inc. ★
5440 Pepsi Street, New Orleans, LA, 70123 U.S.A.; PH: 504/733-9603; FAX: 504/733-6457; TLX: 460114 (THION UI).
CONTACT: Paul Thionville, Pres.
Forwarding agent, samplers, weighers, inspectors, chemists.

Tiger on Spreads ★
P.O. Box 1414, McLean, VA, 22101 U.S.A.; PH: 202/463-8608 or 703/522-0154.
CONTACT: Phillip E. Tiger, Pres.
Broker, futures; financial, commodity hedger, economic forecaster; publications/informational services.

Timmins Group, Inc. ★
105 Beacon Street, Greenfield, MA, 01301 U.S.A.; PH: 413/772-0035; FAX: 413/774-3056.
CONTACT: Thomas Timmins, Pres.
Marketing consultant; trading company. EXPORTER: Simulated meat products (analogs).

The Tintometer Company (Lovibond)
Affiliate of The Tintometer Limited
309A McLaw's Circle, Williamsburg, VA, 23185 U.S.A.; PH: 804/220-2900; TWX: 710-882-2260 (LOVIBOND WMBG); FAX: 804/229-0472.
Other Offices: Salisbury, Wiltshire, ENGLAND (Tintometer Ltd.); Dortmund, FEDERAL REPUBLIC OF GERMANY (Tintometer GmbH)
CONTACT: Edwin M. Extract, Pres.
Analytical laboratory equipment.

Alfred C. Toepfer International, Inc. ★
Normandale Lake Office Park, 2300 Norman Center, Suite 1180, Bloomington, MN, 55437 U.S.A.; PH: 212/766-8100; FAX: 212/766-8571; TLX: (RCA) 232297.
CONTACT: Klaus Neitzel, Sr. Vice Pres.
Trading company; EXPORTER: Soybeans, soybean meal, soybean oil.

Toyomenka (America), Inc.
Affiliate of Toyo Menka Kaisha, Ltd.
1000 Corporate Grove Drive, Buffalo Grove, IL, 60089-4507 U.S.A.; PH: 708/520-8409; FAX: 708/520-1821; TLX: 4977069.
CONTACT: Tamio Miake, Dpty. Mgr.
Trading company; supplier of soybeans for food use; EXPORTER: Ordinary soybeans for crushing purposes; variety soybeans for food use.

Tramco, Inc. ★
1020 E. 19th Street, Wichita, KS, 67214 U.S.A.; PH: 316/264-4604; FAX: 316/264-7965.
CONTACT: Leroy Rutz, Sales, Mgr.
Conveyors (drag or en masse).

See Our Advertisement Inside Back Cover

Transac, Inc. ★
7592 N.E. Industrial Blvd., Macon, GA, 31206 U.S.A.; PH: 912/784-9040; FAX: 912/788-3920.
CONTACT: William R. Hodgins, Sales Mgr.
Bags.

Trebor Industries Inc.
7845 Airpark Road, P.O. Box 2159, Gaithersburg, MD, 20879 U.S.A.; PH: 800/624-9899 or 301/948-7650; TWX: 710-828-9701 (TREBOR USA); FAX: 301/670-1103.
CONTACT: Steve Kornspan, Corp. Sales Mgr.
Instruments/instrument systems, grain analyzers, moisture testers, oil/protein/fiber analyzers; analytical laboratory equipment.

Tri-City Regional Port District ★
2801 Rock Road, Granite City, IL, 62040 U.S.A.; PH: 618/877-8444.
CONTACT: Robert Wydra, Gen. Mgr.
Warehousing: export/import, U.S. interior port.

Triple/S Dynamics, Inc. ★
1031 S. Haskell Avenue, Dallas, TX, 75223 U.S.A.; PH: 214/828-8600; FAX: 214/828-8688; TLX: (WUI) 730023 (TRIPLE S DAL).
CONTACT: William C. Dreher, Adv. Mgr.
Air classifiers; aspirators; commercial grain cleaners; conveyors (drag or en masse) dehulling equipment; screeners/screening equipment; screeners/screening equipment.

U.S. Department of Agriculture
National Agricultural Library Building, Room 1505, 10301 Baltimore Blvd., Beltsville, MD, 20705 U.S.A.; PH: 301/344-3755; FAX: 301/344-3675; TLX/TWX: 710-828-0506.
Other Offices: Washington, DC (reference center)
CONTACT: Joseph Howard, Dir.
Publications/informational services.

U.S. Petrolon Industrial, Inc.
1932 Devoe Drive, Lincoln, NE, 68506 U.S.A.; PH: 402/488-8444.
CONTACT: Rick Duval, Pres.
Consultants, equipment; engineering services.

UDY Corporation
201 Rome Court, Fort Collins, CO, 80524 U.S.A.; PH: 303/482-2060; FAX: 303/482-2067.
CONTACT: Doyle C. Udy, Pres.
Instruments/instrument systems, grain analyzers, oil/protein/fiber analyzers.

H. J. Underwood Company, Inc. ★
701 North East Blvd., P.O. Box 436, Clinton, NC, 28328 U.S.A.; PH: 919/592-3167.
CONTACT: Richard Underwood, Pres.
Soybean breeder; soybean seed supplier; supplier of soybeans for food use.

See Our Advertisement P. 133

Unichema North America ★
Affiliate of Unichema International
4650 S. Racine Avenue, Chicago, IL, 60609 U.S.A.; PH: 312/376-9000; FAX: 312/376-[illegible]; TLX: 800-853-2864.
Other Offices: Emmerich, FEDERAL REPUBLIC OF GERMANY (Unichema Chemie GmbH)
CONTACT: Greg Waranica, Mkting. Mgr.
Hydrogenation catalysts.

Union Pacific Railroad
1416 Dodge Street, Marketing Department, Room 520, Omaha, NE, 68179 U.S.A.; PH: 402/271-4506; FAX: 402/271-3173.
CONTACT: T. M. Caron, Group Mkting. Mgr., Food Grains
Transportation, railroad company.

United Catalysts Inc.
Affiliate of Süd-Chemie AG, FEDERAL REPUBLIC OF GERMANY
1227 S. 12th Street, P.O. Box 32370, Louisville, KY, 40232 U.S.A.; PH: 502/634-7200; FAX: 502/637-3732; TLX: 204190 or 204239.
CONTACT: George Buehler, Vice Pres.
Bleaching clays/earths; hydrogenation catalysts.

United Clays Inc. ★
P.O. Box 111, Gleason, TN, 38229 U.S.A.; PH: 901/648-5596; FAX: 901/648-5990.
CONTACT: J. L. Kiney, Cust. Serv. Mgr.
Anti-caking agents (flow agents).

UOP ★
A Joint Venture Co. of Union Carbide & Allied-Signal
Food Products & Processes Dept., 25 E. Algonquin Road, Des Plaines, IL, 60017-5017 U.S.A.; PH: 708/391-3300 or 800/348-0832; FAX: 708/391-2758; TLX: 211442 (UOP).
Other Offices: McCook, IL (mfg.)
CONTACT: Bobbi Buford, Nat'l. Sales Mgr. or Amalia C. Calvo, Int'l. Sales Rep.
SUSTANE® BHA BHT, TBHQ, PG (and blends) food antioxidants; PRISTENE® natural antioxidants; PRISTENE® natural tocopherols; natural rosemary extract .

Urschel Laboratories, Inc. ★
2503 Calumet Avenue, P.O. Box 2200, Valparaiso, IN, 46384-2200 U.S.A.; PH: 219/464-4811; FAX: 219/462-3879; TLX: 258-337.
CONTACT: Charles J. Scott, Mkting. Analyst
Meal handling equipment, pulverizing equipment; milling equipment supplies, spare parts & repair; emulsifiers.

V. R. B. Enterprises ★★
U.S. representative for Desarrollos Agricolas S.A., Bolivia
1411 Tasso Street, Palo Alto, CA, 94301 U.S.A.; PH: 415/325-1997; FAX: 415/327-9927.
CONTACT: E. Bernasconi, Engineering Mgr.
Consultants, equipment, industrial processes; plant layout; engineering services. Marketing consultant; publications/informational services.

The Valley Line Company
120 S. Central, St. Louis, MO, 63105 U.S.A.; PH: 314/889-0100; TWX: 910-761-0440; FAX: 314/889-0172.
Other Offices: Evansville, IN; Cincinnati, OH; Memphis, TN
CONTACT: Edward M. Hensley, Dir., Sales
Transportation, barge line.

Van Sickle, Allen & Associates, Inc. ★
4969 Olson Memorial Highway, Minneapolis, MN, 55422 U.S.A.; PH: 612/541-9804; FAX: 612/542-1405.
CONTACT: Paul Harms, Principal
Loading & unloading equipment, barge, railroad, ship, truck; scales; soybean storage equipment & supplies, buildings (flat storage), elevator & silo storage; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout; engineering services.

VAREX Corporation ★★
4000 Blackburn Lane, Burtonsville, MD, 20866 U.S.A.; PH: 301/421-1616; FAX: 301/421-1882.
CONTACT: Peter Bonnett, Pres.
Instruments/instrument systems, oil/protein/fiber analyzers; analytical laboratory equipment.

Vegetarian Times Magazine ★
1140 Lake Street, P.O. Box 570, Oak Park, IL, 60303 U.S.A.; PH: 708/848-8100. FAX: 708/848-8175.
CONTACT: Paul Obis, Pres.
Publications/informational services.

Vitasoy (USA) Inc. ★
99 Park Lane, Brisbane, CA, 94005 U.S.A.; PH: 415/467-8888; FAX: 415/467-8910; TLX: 171784 (VICIX).
CONTACT: Yvonne Lo, Pres.
Trading company; IMPORTER: VITASOY natural soy drinks.

Votator, Cherry Burrell Process Eq. Div. ★
10300 Bunsen Way, P. O. Box 35600, Louisville, KY, 40232 U.S.A.; PH: 502/491-4310; FAX: 502/499-3212; TLX: 283620 (CBAV UR).
CONTACT: Ray Klusman, Mgr., Process Plant Sales
Bleaching & filtering equipment; deodorization equipment; heat exchangers; hydrogenation equipment; margarine equipment; shortening equipment.

W. D. & J. International ★
Affiliate of Investment Planning Inc.
6047 Frantz Road, Suite 104, Dublin, OH, 43017 U.S.A.; PH: 614/764-0137; FAX: 614/764-0195.
CONTACT: John Lim, Pres.
Trading company; EXPORTER: Soybean products by Worthington Foods Inc. and La Loma Foods Inc.

Walker Stainless Equipment Company, Inc. ★
618 State Street, New Lisbon, WI, 53950-1015 U.S.A.; PH: 608/562-3151; FAX: 608/562-3142.
CONTACT: William Jacoby, Nat'l. Sales & Mkting.
Crude oil storage (tanks); heat exchangers.

Waters Chromatography Division
Millipore Corporation, 34 Maple Street, Milford, MA, 01757 U.S.A.; PH: 508/478-2000; FAX: 508/872-1990; TLX: (TRT) 174166.
CONTACT: William Shippey, Pres.
Instruments/instrument systems, automatic samplers, grain analyzers, oil/protein/fiber analyzers.

Weigh Right Automatic Scale Company ★
612A Mills Road, P.O. Box 896, Joliet, IL, 60434 U.S.A.; PH: 815/726-4626; FAX: 815/726-7638.
CONTACT: Steve N. Almberg, Gen. Mgr.
Bags, bagging equipment.

Weigh-Tronix, Inc. ★
1000 Armstrong Drive, P.O. Box 1000, Fairmont, MN, 56031 U.S.A.; PH: 507/238-4461; FAX: 507/238-4195; TLX: 756594.
Other Offices: Santa Rosa, CA (sales/mfg.); Aurora, Ontario, CANADA (sales/mfg.)
CONTACT: Randy Newlin, Vice Pres., Sales
Scales; weighing services & surveys.

Wellens & Company, Inc.
6600 France Avenue So., Minneapolis, MN, 55435 U.S.A.; PH: 612/925-4600.
CONTACT: LeRoy Wellens, Pres.
Trading company; IMPORTER: Acidulated soapstock; edible soy oil products; other soybean oil by-products.

Wenger Manufacturing, Inc.
714 Main Street, P.O. Box 130, Sabetha, KS, 66534-0130 U.S.A.; PH: 913/284-2133; FAX: 913/284-3771.
Other Offices: Kansas City, MO (Wenger Int'l., Inc.); Antwerpen, BELGIUM (Wenger Europe); Taichung City, TAIWAN (Wenger Asia)
CONTACT: Don Wenger, Vice Pres.
Cookers/extruders/roasters; meal handling equipment, mixing equipment (dry).

West Weigh Scale Company
3990 Hicock Street, San Diego, CA, 92110 U.S.A.; PH: 619/291-8231; FAX: 619/291-8231.
CONTACT: Vincent Muccillo, Pres.
Scales.

Westbrae Natural Foods
Affiliate of Vestro
5701 S. Eastern Avenue, Suite 330, P.O. Box 91-1181, Commerce, CA, 90091 U.S.A.; PH: 213/722-1692; FAX: 213/722-9817.
CONTACT: George Bobango, Vice Pres., Oper.
IMPORTER: Soymilk.

Western-Commercial Transport, Inc. ★
2929 W. 5th Street, P.O. Box 270, Fort Worth, TX, 76101 U.S.A.; PH: 817/335-4821; FAX: 817/877-4117.
Other Offices: Jacksonville, IL; Wichita, KS; Memphis, TN
CONTACT: Dan Finholt, Vice Pres.
Transportation, trucking firm.

Westinghouse Electric Corporation
Westinghouse Bldg., Gateway Center, Room 1008, Pittsburgh, PA, 15222 U.S.A.; PH: 412/642-2554.
CONTACT: Westinghouse Electric Corp. Product Info. Center
Instruments/instrument systems, control, flow measurement, material level, temperature monitors; soybean storage equipment & supplies, elevator & silo storage; computer process control, hardware, software, programming.

Wilbur-Ellis Company
1200 Westlake Avenue, No., Suite 1000, Seattle, WA, 98109 U.S.A.; PH: 206/284-1300; FAX: 206/281-8604; TLX: 277175 (WECO UR).
Other Offices: Portland, OR
CONTACT: R. W. Shepherd, Mgr.
Trading company; warehousing: export/import, U. S. interior.

H. R. Williams Mill Supply Company ★
P.O. Box 414406, Kansas City, MO, 64141-4406 U.S.A.; PH: 816/471-1511; FAX: 816/471-1889; TLX: (WU/Easylink) 42222 (WMS KSC).
CONTACT: John D. Holden, Vice Pres.
Dust control systems & supplies; milling equipment supplies, spare parts & repair; screeners/screening equipment.

See Our Advertisement P. 130

Witt Corrugating, Inc. ★
935 South West Street, Wichita, KS, 67213 U.S.A.; PH: 316/942-8456; FAX: 316/942-4745.
Other Offices: Kansas City, MO
CONTACT: Sid Sadowske, Pres.
Flaking & cracking equipment; meal handling equipment, pulverizing equipment; new cracking rolls & new flaking rolls.

D. W. Witter, Inc.
Rt. 88, P.O. Box 132, Camp Grove, IL, 61624 U.S.A.; PH: 309/493-5611.
CONTACT: Dennis Witter, Pres.
Soybean storage equipment & supplies, elevator & silo storage.

Joel Wollner & Associates
19 Pepper Hollow Drive, P.O. Box 1343, Clifton Park, NY, 12065 U.S.A.; PH: 518/383-6580; FAX: 518/383-6855.
CONTACT: Joel Wollner, Pres.
Consultants, product development; contract research (pilot scale); inspection services. Marketing consultant.

Woodson-Tenent Laboratories, Inc. ★
1331 Union Avenue, Suite 1500, Memphis, TN, 38104 U.S.A.; PH: 901/272-7511; FAX: 901/272-2926.
Other Offices: No. Little Rock, AR; Gainesville, GA; Des Moines, IA; Goldston, NC; Dayton, OH; Memphis, TN
CONTACT: John Saatkamp, Vice Pres., Sales & Mkting.
Analytical laboratories.

See Our Advertisement P. 102

Wurster & Sanger, Inc. ★
Div. of Crown Iron Works Co.
1600 Broadway Street, N.E., P.O. Box 1364, Minneapolis, MN, 55440 U.S.A.; PH: 612/331-6400; FAX: 612/331-2469; TLX: 290204 (CROWN IRON MPS).
CONTACT: Barry V. Smith, Gen. Mgr.
Bleaching & filtering equipment; degumming equipment; deodorization equipment; fat splitters; fatty acid distillation equipment; hydrogenation equipment; refining/neutralization equipment, conventional caustic, physical; soapstock equipment; winterization equipment; margarine equipment; shortening equipment.

Yancey Ag Networks ★
1004 N. Jackson Street, P.O. Box 2000, Starkville, MS, 39759 U.S.A.; PH: 601/324-0949.
CONTACT: Jim Yancey, Pres.
News wires, commodity.

John H. Young ★★
Affiliate of Praxis Business & Economic Studies
P.O. Box 622, Southwest Harbor, ME 04679-0622 U.S.A.; PH: 207/244-9[illegible]; FAX: 207/244-9933.
CONTACT: John H. Young or Sara R. Walter
Marketing consultant.

Younglove - Planners, Engineers, Constructors ★
Affiliate of W. A. Klinger, Inc.
2015 E. Seventh Street, P.O. Box 8800, Sioux City, IA, 51102 U.S.A.; PH: 712/277-3906; FAX: 712/258-5528.
CONTACT: Michael A. Gunsch, P.E., Exec. Vice Pres.
Construction contractors, complete plants; consultants, plant layout; engineering services.

Zimmerman Equipment Company ★
A Division of FFI, Inc
5900 Elmwood Avenue, P.O. Box 346, Indianapolis, IN, 46203 U.S.A.; PH: 317/787-6341; FAX: 317/787-6340.
CONTACT: Wes Peterson, Dir. of Comm. Grain Sales
Drying & aeration equipment, grain dryers.

See Our Advertisement P. 115

Zone Devices Inc. ★★
21 H Pamaron Way, Vallejo, CA, 94949 U.S.A.; PH: 415/883-5980; FAX: 415/883-3739.
CONTACT: Clem Burton-Smith
Liquid sampling equipment.

VENEZUELA

Cargill de Venezuela C.A.
Avenida Romulo Gallegos, Torre KLM Piso 3, Los Palos Grandes, Caracas 1060, VENEZUELA; PH: 58/2/284-0166; FAX: 58/2/284-8266.
CONTACT: Angel L. Cure, Int'l. Mgr.
Broker, cash/product; trading company.

Grupo Interamericano C.A.
Av. Los Jabillos, Centro Bancor Piso & Sabana Grande, P.O. Box 1846, Caracas 1010, VENEZUELA; PH: 02/716813; TLX: 24578.
CONTACT: Marilu Ravelo, Comm. Mgr.
Trading company; supplier of soybeans for food use; IMPORTER: Soybean meal, soy protein isolates, soy bean oil.

Davy McKee Ingenieria, C.A.
Calle Veracruz Con Cali, Torre Aba, Planta Baja, Las Mercedes, Caracas, VENEZUELA; PH: 2/926624; TLX: 27377.
Solvent extraction equipment; condensers; flake desolventizers, flash/vapor, normal; solvent extraction distillation equipment; construction contractors, complete plants, protein plants; consultants, equipment, industrial processes, plant layout, product development; engineering services; inspection services.

YUGOSLAVIA

CENTROPROM Export-Import ★
Nusiceva 15, P.O. Box 454, YU-11001 Beograd, YUGOSLAVIA; PH: 38/11/343-311; LX: 11117 or 11160 (CTPR YU).
CONTACT: Ljiljana Petrovic, Chief of Dept.
IMPORTER: Soybean meal 44/7; soybeans U.S. yellow 2.

GRANEXPORT, Enterprise for the Industry of
Foodstuffs & Feeds, Trade & Services, Terazije 27, P.O. Box 902, 11000 Beograd, YUGOSLAVIA; PH: 011/333635; TLX: 11278 (GRANEX YU).
CONTACT: Milenko Petrovic
Trading company; IMPORTER: Soybean meal, soy oil.

Tvornica za preradu soje
Gazenica, PP 215, Zadar 57000, YUGOSLAVIA; PH: 01138/57-436024 or 24993 or 23400; TLX: 27149 (TPS).
EXPORTER: Lecithin (industrial).

Soya Statistics

Statistical Conversions Table 198
Tables and Graphs 199
(see index below)

INDEX TO TABLES & GRAPHS

SOYBEAN PRODUCTION

Area Planted/Harvested and Yield

U.S. Soybean Planting and Harvesting Dates (T) 199
U.S. Soybean Acreage, Yield and Production (T) 199
U.S. Soybean Planted Acreage by State (T) 200
U.S. Soybean Harvested Acreage by State (T) 200
U.S. Soybean Yield by State (T) 201
U.S. Soybean Production by State (T) 201
Argentine Soybean Area, Yield and Production by Province (T) 202
Brazilian Soybean Area, Yield and Production by State (T) 202
Canadian Soybean Production (T) 203
Canadian Soybean Production and Utilization (T) 203
World Soybean Production by Major Producing Countries and All Others (G) 204
Share of World Soybean Production by Major Countries and All Others (G) 204
Total World Soybean Production (G) 205
1990/91 World Soybean Production, Forecast of Market Share (G) 205
World Soybean Production (T) 206

Soybeans and Soybean Products: Supply and Disposition

U.S. Soybeans: Supply, Disposition, Acreage/Yield and Price (T) 207
U.S. Soybean Meal and Oil: Supply and Disposition (T) 207
Soybean Usage in the U.S. (G) 208
U.S. Soybean Exports As A Percent of Total Usage (G) 208
Argentine Soybeans & Products: Supply and Disposition (T) 209
Brazilian Soybeans & Products: Supply and Disposition (T) 209

U.S. Soybean Prices, Crop Value, Farm Marketings

Prices of U.S. Soybeans: No. 1 Yellow (T) 210
Prices of U.S. Soybeans: Received by Farmers (T) 210
U.S. Soybean Price Support Operations (T) 211
U.S. Soybean Crop Value (T) 211
U.S. Farm Marketings of Soybeans (T) 212

SOYBEAN PROCESSING AND PRODUCTS

Product Value

Value of U.S. Soybean Products and Crush Margin (T) 212

Meal and Oil

U.S. Soybean Meal: Prices Paid by Farmers (T) 213
U.S. Soybean Meal: Average Wholesale Price (T) 213
U.S. Soybean Meal: Beginning Stocks, Production, Exports and Domestic Disappearance (T) 214
Prices of U.S. Soybean Oil (T) 214
U.S. Oilseed Cake and Meals: Supply, Disposition and Price (T) 215
World Major Protein Meals: Supply and Utilization (T) 216
World Major Oilseeds: Supply and Utilization (T) 216
World Major Vegetable and Marine Oils: Supply and Utilization (T) 217
U.S. Soybean Oil Utilization (T) 218
U.S. Soybean Oil: Supply, Disposition and Price (T) 218
U.S. Edible Fats and Oils: Supply and Disappearance (T) 219

EXPORTS AND IMPORTS

U.S. Soybean Exports by Month (T) 220
Brazilian Exports of Soybeans and Products to Major Countries (T) 220
U.S. Soybean Exports by Port and Country of Destination (T) 221
U.S. Exports: Soybeans by Country of Destination (T) 221
U.S. Exports: Soybean Oilseed Cake and Meal by Country of Destination (T) 222
U.S. Exports: Soybean Oil by Country of Destination (T) 222
U.S. Exports: Soybean Oil, P.L. 480, Title I and III by Country of Destination (T) 223
U.S. Exports: Soybean and Cottonseed Oils, U.S. Commercial and P.L. 480 (T) 223
U.S. Exports: Soybean, Cottonseed and Sunflowerseed Oils by Country of Destination (T) 224
Soybean and Product Exports by Major Countries (G) 225
Share of World Soybean and Product Exports (G) 225

(G) = GRAPH
(T) = TABLE

Statistical Conversions

SOYA CONVERSIONS

1 bushel of soybeans	=	60	pounds
	=	10.7	pounds of crude soy oil
	=	47.5	pounds of soybean meal
	=	39	pounds of soy flour
	=	20	pounds of concentrate
	=	11.8	pounds of isolated soy protein
1 metric ton of soybeans	=	36.74	bushels
1 short ton of soybeans	=	33.33	bushels
1 short ton of soybeans	=	.907	metric tons
1 long ton of soybeans	=	37.33	bushels
1 metric ton of soybean meal	=	46.39	bushels of soybeans
1 short ton of soybean meal	=	42.08	bushels of soybeans
1 long ton of soybean meal	=	47.13	bushels of soybeans
1 metric ton of soybean oil	=	206	bushels of soybeans

79.2% of a bushel of soybeans is manufactured into soybean meal.
17.8% of a bushel of soybeans is manufactured into soybean oil.
3.0% of a bushel of soybeans is manufacturing loss.

METRIC CONVERSIONS

Area

1 acre = 0.405 hectares **hectare** = 2.27 acres

Mass & Weight

1 pound	=	453.59	grams
1 pound	=	0.454	kilogram
1 hundredweight, short (100 lbs.)	=	45.359	kilograms
1 hundredweight, long (112 lbs.)	=	50.802	kilograms
1 ton, short	=	0.907	metric tons
1 ton, long	=	1.016	metric tons
1 gram	=	0.035	ounce
1 kilogram	=	2.2	pounds
1 metric ton	=	1,000	kilograms
1 metric ton	=	2,205	pounds
1 metric ton	=	1.1	short tons
1 short ton	=	2,000	pounds
1 long ton	=	2,240	pounds

Capacity

1 U.S. gallon	=	3.785	liters
1 Imperial gallon	=	4.545	liters
1 bushel	=	35.24	liters
1 liter	=	0.908	quarts, dry
1 liter	=	1.057	quarts, liquid

TEMPERATURE CONVERSIONS

Celsius (Centigrade) = $\frac{°F - 32}{1.8}$ **Fahrenheit** = (1.8 X °C) + 32

U.S. SOYBEAN PLANTING AND HARVESTING DATES

State	Usual Planting Dates	Usual Harvesting Dates		
		Begin	Most Active	End
Alabama	May 5-July 15	Oct. 1	Oct. 15-Nov. 15	Dec. 15
Arkansas	May 5-July 5	Oct. 1	Oct. 15-Nov. 20	Dec. 1
Delaware	May15-July 10	Oct. 5	Oct. 20-Nov.15	Dec. 1
Florida	May 1-July 15	Sept. 15	Oct. 1-Nov. 10	Dec. 15
Georgia	May 1-July 15	Oct. 10	Oct. 20-Dec. 1	Dec. 10
Illinois	May 5-June 20	Sept. 20	Sept. 25-Oct. 25	Nov. 5
Indiana	May 10-June 20	Sept. 30	Oct. 10-Oct. 30	Nov. 5
Iowa	May 10-June 25	Sept. 25	Oct. 1-Oct. 20	Nov. 5
Kansas	May 10-July 15	Sept. 20	Oct. 10-Nov. 5	Nov. 20
Kentucky	May 5-July 15	Sept. 20	Oct. 1-Nov. 15	Dec. 1
Louisiana	May 5-June 30	Sept. 20	Oct. 1-Nov. 15	Nov. 30
Maryland	May 10- July 5	Oct. 10	Oct. 20-Nov. 15	Dec. 1
Michigan	May 10-June 20	Oct. 5	Oct.15-Nov. 15	Nov. 20
Minnesota	May 5-June 10	Sept. 25	Oct. 1-Nov. 1	Nov. 10
Mississippi	May 5-July 5	Sept. 20	Oct. 15-Nov. 20	Dec. 15
Missouri	May 1-July 10	Sept. 15	Oct. 5-Nov. 5	Dec. 15
Nebraska	May 10-June 15	Sept. 25	Sept. 30-Oct. 20	Nov. 10
New Jersey	May 25-July 10	Oct. 1	Oct. 25-Nov. 1	Nov. 20
New York	May 25-June 25	Oct. 1	Oct. 10-Oct. 20	Oct. 30
North Carolina	May 5-July 5	Oct. 15	Nov. 1-Dec. 1	Jan. 1
North Dakota	May 10-June 10	Sept. 20	Sept. 30-Oct. 25	Nov. 5
Ohio	May 5-July 5	Sept. 20	Oct. 5-Nov. 1	Nov. 20
Oklahoma	May 10-July 10	Oct. 5	Oct. 25-Nov. 10	Dec. 1
Pennsylvania	May 5-July 10	Oct. 5	Oct. 15-Nov. 10	Nov. 30
South Carolina	May 1-July 10	Oct. 15	Oct. 25-Dec. 1	Dec. 15
South Dakota	May 10-June 15	Sept. 25	Oct. 1-Oct. 25	Nov. 5
Tennessee	May 5-July 10	Oct. 10	Oct. 15-Nov. 15	Dec. 10
Texas	May 10-July 15	Oct. 5	Oct. 30-Nov. 10	Dec. 10
Virginia	May 5-July 15	Oct. 5	Oct. 30-Nov. 25	Dec. 20
Wisconsin	May 15-June 20	Oct. 5	Oct. 20-Nov. 1	Nov. 20

Source: U.S. Department of Agriculture.

U.S. SOYBEAN ACREAGE, YIELD AND PRODUCTION
1925 - 1990

Year	Acres Planted (Thousand Acres)	Acres Harvested (Thousand Acres)	Average Yield Per Acre Harvested (Bushels)	Total Production (Th. Bu.)
1925	1,539	415	11.7	4,875
1930	3,072	1,074	13.0	13,929
1935	6,966	2,915	16.8	48,901
1940	10,487	4,807	16.2	78,045
1945	13,056	10,470	18.0	193,167
1950	15,048	13,807	21.7	299,249
1955	19,674	18,620	20.1	373,682
1960	24,440	23,655	23.5	555,085
1965	35,227	34,449	24.5	845,608
1970	43,082	42,249	26.7	1,127,100
1975	54,550	53,579	28.9	1,547,383
1976	50,226	49,358	26.1	1,287,560
1977	58,760	57,612	30.6	1,761,755
1978	64,708	63,663	29.4	1,868,754
1979	71,411	70,343	32.1	2,260,665
1980	69,930	67,813	26.5	1,797,543
1981	67,543	66,163	30.1	1,989,110
1982	70,884	69,442	31.5	2,190,297
1983	63,139	62,525	26.2	1,635,772
1984	67,735	66,093	28.2	1,860,783
1985	63,145	61,599	34.1	2,099,056
1986	60,405	58,312	33.3	1,942,558
1987	58,180	57,172	33.9	1,937,722
1988	58,840	57,373	27.0	1,548,841
1989	60,820	59,538	32.3	1,923,666
1990	57,795	56,502	27.1	1,921,787

Source: ANNUAL CROP SUMMARY, USDA Agricultural Statistics Board, NASS.

U.S. SOYBEAN PLANTED ACREAGE BY STATE

Acres Planted (Thousand Acres)

	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
Alabama	642	1,300	2,200	1,400	1,080	650	500	590	600	470
Arkansas	4,393	4,750	4,800	4,050	3,750	3,400	3,300	3,250	3,300	3,400
Delaware	165	228	265	260	245	245	240	230	255	200
Florida	188	291	475	340	260	150	95	120	130	80
Georgia	550	1,190	2,200	2,100	1,800	1,220	830	930	1,150	900
Illinois	6,848	8,350	9,400	9,200	9,100	9,050	8,800	8,800	8,900	9,200
Indiana	3,300	3,650	4,400	4,400	4,500	4,300	4,400	4,300	4,600	4,200
Iowa	5,709	7,000	8,300	8,500	8,200	8,500	7,950	8,050	8,300	8,000
Kansas	1,074	1,100	1,550	1,730	1,500	1,850	2,150	2,050	1,900	2,000
Kentucky	582	1,150	1,650	1,520	1,260	1,150	990	980	1,200	1,250
Louisiana	1,730	2,000	3,450	2,450	2,250	1,880	1,700	1,900	1,950	1,800
Maryland	216	335	400	435	410	400	420	465	570	505
Michigan	539	615	980	1,200	1,100	970	1,100	1,250	1,100	1,150
Minnesota	3,140	3,700	4,800	5,300	5,100	4,750	4,700	4,900	5,050	4,700
Mississippi	2,358	3,230	4,000	3,300	2,700	2,600	2,550	2,400	2,200	2,050
Missouri	3,546	4,450	5,700	5,500	5,300	5,450	4,900	4,300	4,400	4,200
Nebraska	824	1,220	1,830	2,600	2,400	2,500	2,400	2,400	2,600	2,400
New Jersey	52	104	200	135	130	120	100	105	115	110
New York-not est. after 1980	6	11	20	—	—	—	—	—	—	—
North Carolina	981	1,500	2,030	1,850	1,800	1,640	1,400	1,470	1,600	1,400
North Dakota	184	180	210	750	500	475	520	750	640	500
Ohio	2,434	3,120	3,800	3,800	3,900	3,650	4,000	3,900	4,000	3,500
Oklahoma	200	245	350	248	210	255	340	300	300	250
Pennsylvania	30	54	135	175	175	160	170	230	310	280
South Carolina	1,550	1,420	1,600	1,520	1,290	1,020	750	800	980	800
South Dakota	253	345	780	1,400	1,280	1,350	1,400	1,760	1,900	1,950
Tennessee	1,280	1,950	2,450	1,900	1,500	1,470	1,300	1,400	1,300	1,300
Texas	170	395	560	450	320	240	170	240	500	220
Virginia	372	451	620	750	720	610	550	570	550	540
Wisconsin	155	216	335	480	350	330	330	430	420	440

Source: ANNUAL CROP SUMMARY, U.S. Department of Agriculture, Agricultural Statistics Board, NASS.

U.S. SOYBEAN HARVESTED ACREAGE BY STATE

Acres Harvested for Beans (Thousand Acres)

	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
Alabama	600	1,260	2,100	1,370	1,030	610	580	570	570	440
Arkansas	4,400	4,700	4,350	3,900	3,700	3,300	3,250	3,200	3,200	3,350
Delaware	156	225	260	250	240	240	235	225	250	199
Florida	184	281	460	325	230	140	93	115	120	75
Georgia	475	1,160	1,950	2,000	1,550	820	780	900	1,100	700
Illinois	6,800	8,320	9,350	9,020	9,000	9,000	8,700	8,700	8,850	9,100
Indiana	3,278	3,630	4,380	4,350	4,460	4,250	4,350	4,200	4,550	4,180
Iowa	5,680	6,970	8,270	8,400	8,150	8,450	7,900	8,100	8,280	7,900
Kansas	930	1,080	1,450	1,620	1,410	1,740	2,110	2,000	1,850	1,950
Kentucky	530	1,100	1,600	1,460	1,230	1,120	1,030	910	1,170	1,220	
Louisiana	1,6[illegible]	1,920	3,350	2,380	2,100	1,750	1,650	1,850	1,750	1,750
Maryland	[illegible]12	330	390	425	400	390	410	455	550	495
Michigan	[illegible]	610	970	1,190	1,080	930	1,090	1,210	1,080	1,140
Minnesota	[illegible]0	3,650	4,760	5,240	5,000	4,650	4,650	4,800	5,000	4,600
Mississippi	2,[illegible]80	3,120	3,850	3,200	2,620	2,450	2,450	2,250	2,000	1,900
Missouri	3,465	4,370	5,530	5,300	5,230	5,250	4,830	4,230	4,350	4,150
Nebraska	812	1,200	1,770	2,550	2,360	2,450	2,350	2,360	2,560	2,360
New Jersey	54	102	194	133	129	117	104	103	113	108
New York-not est. after 1980	6	11	19	—	—	—	—	—	—	—
North Carolina	867	1,420	1,930	1,790	1,700	1,530	1,340	1,310	1,550	1,350
North Dakota	181	149	200	740	490	470	515	690	630	495
Ohio	2,500	3,100	3,760	3,770	3,870	3,620	3,900	3,700	3,980	3,480
Oklahoma	185	237	300	220	190	200	240	270	285	210
Pennsylvania	28	52	103	170	185	175	185	245	305	275
South Carolina	1,010	1,380	1,600	1,490	1,230	830	730	790	960	750
South Dakota	247	342	770	1,360	1,270	1,330	1,390	1,730	1,880	1,920
Tennessee	1,150	1,850	2,550	1,850	1,460	1,420	1,250	1,230	1,240	1,250
Texas	158	370	630	410	290	190	150	225	415	200
Virginia	339	433	610	730	695	570	490	515	540	525
Wisconsin	153	207	330	450	300	320	320	390	410	430

Source: ANNUAL CROP SUMMARY, U.S. Department of Agriculture, Agricultural Statistics Board, NASS.

U.S. SOYBEAN YIELD BY STATE

Average Yield per Acre Harvested for Beans (Bushels)

	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
Alabama	23.0	24.5	15.0	21.0	27.0	23.0	18.0	25.0	21.0	17.0
Arkansas	22.5	25.0	15.0	26.0	26.5	20.0	23.0	26.0	23.5	27.0
Delaware	21.0	25.0	20.0	24.0	30.0	24.0	18.0	27.0	29.0	34.0
Florida	28.0	24.0	22.0	24.0	26.0	23.0	25.0	29.0	22.0	19.0
Georgia	23.0	25.5	12.0	20.0	24.0	17.0	20.0	25.0	26.0	14.0
Illinois	31.0	36.0	33.5	32.0	42.5	40.0	38.0	27.0	40.0	39.0
Indiana	31.0	33.5	36.0	34.5	41.5	37.0	40.0	27.5	36.5	41.0
Iowa	32.5	34.0	38.5	31.5	38.0	41.5	43.5	31.0	39.0	41.0
Kansas	15.0	21.0	16.5	17.5	31.0	33.5	32.0	23.0	27.0	24.0
Kentucky	27.0	27.0	22.5	29.0	34.0	32.0	26.5	26.5	31.5	32.0
Louisiana	24.0	25.0	20.0	17.0	21.0	20.0	25.0	29.0	22.0	24.0
Maryland	24.0	28.0	24.0	29.0	32.0	27.0	22.5	31.0	30.0	36.0
Michigan	26.5	26.0	33.0	27.0	32.0	31.0	36.0	29.0	36.0	38.0
Minnesota	26.0	27.0	31.5	33.0	32.0	35.0	39.0	26.0	37.0	39.0
Mississippi	22.5	22.5	16.0	24.0	27.0	17.0	19.5	22.0	20.0	21.0
Missouri	25.5	26.0	24.5	20.5	34.5	32.5	32.0	26.0	28.0	30.0
Nebraska	22.0	27.0	30.0	25.5	36.0	38.0	35.5	30.0	32.0	34.5
New Jersey	25.0	26.0	18.0	31.0	34.0	29.0	31.0	27.0	32.0	37.0
New York-not est. after 1980	20.0	27.0	24.0	—	—	—	—	—	—	—
North Carolina	24.0	23.5	18.0	26.0	23.0	24.0	24.5	27.0	27.0	24.0
North Dakota	15.0	19.5	17.5	23.0	26.0	35.0	32.5	18.0	22.0	26.0
Ohio	28.5	33.0	36.0	36.5	41.5	40.5	37.0	27.0	31.5	39.0
Oklahoma	18.0	22.0	10.0	19.0	23.0	24.0	25.0	18.0	24.0	21.0
Pennsylvania	32.0	28.0	24.5	35.0	35.0	35.0	34.0	32.0	34.0	41.0
South Carolina	20.0	22.0	13.0	20.0	20.0	16.5	22.0	23.1	21.0	18.5
South Dakota	17.5	25.0	26.0	23.0	32.0	30.5	32.5	24.0	26.0	28.0
Tennessee	23.0	25.0	18.0	26.0	31.0	25.0	23.0	26.0	24.0	27.0
Texas	28.0	25.0	22.0	29.0	25.0	23.0	28.0	28.0	30.0	25.0
Virginia	20.0	25.0	15.0	29.5	25.0	24.0	22.0	28.0	32.0	32.0
Wisconsin	24.0	25.5	33.0	31.0	32.0	36.0	38.0	23.0	37.0	41.0

Source: ANNUAL CROP SUMMARY, U.S. Department of Agriculture, Agricultural Statistics Board, NASS.

U.S. SOYBEAN PRODUCTION BY STATE

Total Production of Beans (Thousand Bushels)

	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990
Alabama	13,800	30,870	31,500	28,770	27,810	14,030	10,440	14,250	11,970	7,480
Arkansas	99,000	117,500	65,250	101,400	98,050	66,000	74,750	83,200	75,200	90,450
Delaware	3,276	5,625	5,200	6,000	7,200	5,760	4,230	6,075	7,250	6,766
Florida	5,152	6,744	10,120	7,800	5,980	3,220	2,325	3,335	2,640	1,425
Georgia	10,925	29,580	23,400	40,000	37,200	15,580	16,380	22,500	28,600	9,800
Illinois	210,800	299,520	313,225	288,640	382,500	360,000	330,600	234,900	354,000	354,900
Indiana	101,618	121,605	157,680	150,075	185,090	157,250	174,000	115,500	166,075	171,380
Iowa	184,600	236,980	318,395	264,600	309,700	350,675	343,650	251,100	322,920	323,900
Kansas	13,950	22,680	23,925	28,350	43,710	58,290	67,520	46,000	49,950	46,800
Kentucky	14,310	29,700	36,000	42,340	41,820	35,840	27,295	24,115	36,855	39,040
Louisiana	40,512	48,000	67,000	64,260	44,100	35,000	41,250	56,550	38,500	42,000
Maryland	5,112	9,240	9,360	12,325	12,800	10,530	9,225	14,105	16,500	17,820
Michigan	13,250	15,860	32,010	32,130	34,560	28,830	39,240	35,090	38,880	43,320
Minnesota	78,780	98,550	149,940	172,920	160,000	162,750	181,350	124,800	185,000	179,400
Mississippi	58,050	70,200	61,600	76,800	70,740	41,650	47,775	49,500	40,000	39,900
Missouri	88,358	113,620	135,485	108,650	180,435	170,625	157,760	112,095	121,800	124,500
Nebraska	17,864	32,400	53,100	63,750	84,960	93,100	83,425	70,800	81,920	81,420
New Jersey	1,350	2,652	3,492	4,123	4,386	3,393	3,224	2,781	3,616	3,996
New York-not est. after 1980	120	297	456	—	—	—	—	—	—	—
North Carolina	20,808	33,370	34,740	46,540	39,100	36,720	32,830	35,370	41,850	32,400
North Dakota	2,715	2,906	3,500	17,020	12,740	16,450	16,738	12,420	13,860	12,870
Ohio	72,675	102,300	135,360	137,605	160,605	146,610	144,300	99,900	125,370	135,720
Oklahoma	3,330	5,214	3,000	4,180	4,370	4,800	6,000	4,860	6,840	4,410
Pennsylvania	896	1,456	3,185	5,950	6,475	6,125	6,290	7,840	10,370	11,275
South Carolina	20,200	30,360	20,800	29,800	24,600	13,695	16,060	18,565	20,160	13,875
South Dakota	4,323	8,550	20,020	31,280	40,640	40,565	45,175	41,520	48,880	53,760
Tennessee	26,450	46,250	45,900	48,100	45,260	35,500	28,750	31,980	29,760	33,750
Texas	4,424	9,250	13,860	11,890	7,250	4,370	4,200	6,300	12,450	5,000
Virginia	6,780	10,825	9,150	21,535	17,375	13,680	10,780	14,420	17,280	16,800
Wisconsin	3,672	5,279	10,890	13,950	9,600	11,520	12,160	8,970	15,170	17,630

Source: ANNUAL CROP SUMMARY, U.S. Department of Agriculture, Agricultural Statistics Board, NASS.

ARGENTINE SOYBEAN AREA, YIELD AND PRODUCTION BY PROVINCE
1974/75 - 1990/91*

Area Harvested for Beans (Thousand Hectares)

	1974/75	1979/80	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90†	1990/91◊
Santa Fe	208	967	1,066	1,245	1,293	1,380	1,692	1,391	1,900	1,875
Buenos Aires	29	454	714	825	849	835	984	1,080	1,285	1,200
Cordoba	46	332	863	990	948	1,061	1,296	1,156	1,400	1,330
Tucuman/Corrientes/Other	40	128	268	210	225	234	288	373	365	395
Total	323	1,881	2,911	3,270	3,315	3,510	4,260	4,000	4,950	4,800

Average Yield per Hectare for Beans (Metric Tons)

Santa Fe	1.373	1.788	2.531	2.118	2.320	1.961	2.364	1.603	2.237	2.350
Buenos Aires	1.254	1.978	2.340	2.031	2.341	2.133	2.185	1.940	2.304	2.400
Cordoba	1.339	1.520	2.450	2.158	2.052	1.944	2.276	1.400	2.040	2.200
Tucuman/Corrientes/Other	2.750	3.289	1.933	1.430	1.617	1.919	2.085	1.492	1.875	1.998
Total Average	1.362	1.781	2.404	2.064	2.202	1.994	2.277	1.625	2.172	2.292

Total Production of Beans (Thousand Metric Tons)

Santa Fe	285	1,769	2,697	2,637	3,001	2,706	3,999	2,230	4,250	4,406
Buenos Aires	37	908	1,670	1,676	1,988	1,781	2,150	2,095	2,961	2,880
Cordoba	64	483	2,113	2,136	1,946	2,063	2,951	1,618	2,856	2,926
Tucuman/Corrientes/Other	54	211	518	300	364	449	600	557	684	789
Total	440	3,351	5,998	6,749	7,299	6,999	9,700	6,500	10,751	11,001

*Local crop year. †Estimates. ◊Forecast. Source: Attache in Argentina. Not official USDA or PECAD data.

BRAZILIAN SOYBEAN AREA, YIELD AND PRODUCTION BY STATE
1974/75 - 1990/91†

Area Harvested for Beans (Thousand Hectares)

	1974/75	1979/80	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91 *
Rio Grande/Sul	3,113	3,988	3,642	3,637	3,261	3,160	3,436	3,669	3,550	3,300
Parana	1,832	2,411	2,178	2,196	1,932	1,776	2,123	2,402	2,275	2,100
Mato Grosso/Sul 1/	194	807	1,179	1,308	1,234	1,215	1,171	1,298	1,200	1,100
Sao Paulo	391	561	483	499	478	462	513	593	580	550
Santa Catarina	361	520	420	420	406	370	387	436	375	315
Goias	56	246	582	734	622	548	774	950	980	725
Minas Gerais	76	162	332	447	439	415	484	591	545	500
Mato Grosso		70	538	795	913	1,100	1,319	1,704	1,500	1,000
Other 2/		9	67	117	167	224	317	527	395	310
Total	5,823	8,774	9,421	10,153	9,450	9,270	10,524	12,170	11,400	9,900

Average Yield per Hectare for Beans (Metric Tons)

Rio Grande/Sul	1.510	1.439	1.487	1.570	1.063	1.500	1.057	1.678	1.800	1.545
Parana	2.220	2.240	1.892	2.010	1.630	2.170	2.247	2.019	2.004	1.952
Mato Grosso/Sul 1/	1.410	1.638	1.699	1.956	1.592	1.992	2.119	2.003	1.600	1.955
Sao Paulo	1.730	1.959	1.803	1.924	1.929	2.117	1.953	2.003	1.664	1.956
Santa Catarina	1.290	1.383	1.379	1.343	1.251	1.265	1.344	1.445	1.627	1.667
Goias	1.300	1.854	1.455	1.847	1.822	1.943	1.924	1.958	1.429	1.793
Minas Gerais	1.140	1.790	1.669	1.975	1.815	1.978	1.924	1.998	1.596	1.850
Mato Grosso		1.671	1.952	2.083	2.104	2.170	2.043	2.171	1.933	2.000
Other 2/		1.778	1.507	1.504	1.455	1.125	1.552	1.596	0.886	1.260
Average Total	1.699	1.727	1.650	1.800	1.492	1.866	1.712	1.890	1.754	1.774

Total Production of Beans (Thousand Metric Tons)

Rio Grande/Sul	4,688	5,737	5,415	5,711	3,465	5,056	3,631	6,150	6,425	5,100
Parana	3,625	5,400	4,121	4,413	3,150	3,854	4,771	4,850	4,560	4,100
Mato Grosso/Sul /1	273	1,322	2,003	2,559	1,965	2,420	2,481	2,600	1,920	2,150
Sao Paulo	678	1,099	871	960	916	978	1,002	1,188	985	1,075
Santa Catarina	467	719	579	564	508	468	520	630	610	525
Goias	73	456	847	1,356	1,133	1,065	1,489	1,860	980	725
Minas Gerais	87	290	554	883	797	820	931	1,181	870	925
Mato Grosso		117	1,050	1,656	1,921	2,387	2,695	3,700	2,900	2,000
Other 2/		16	101	176	243	252	492	841	770	985
Total	9,891	15,156	15,541	18,278	14,100	17,300	18,012	23,000	20,000	17,585

†Local crop year (Feb.-Jan.). *Forecast. 1/Before 1979, Mato Grosso and Mato Grosso/Sul were one state. 2/Other (includes beans shipped through Paraguay in some years, yield figures may not be accurate). Source: Counselor and Attache Reports and Official Stats.

CANADIAN SOYBEAN PRODUCTION

Acreage, Yield, Production, Farm Price and Value (Canadian Dollars)
1950 - 1991

Crop Yr. Beg. Aug. 1	Harvested Acreage (Th. Acres)	Avg. Yield per Harvested Acre (Bu./Acre)	Production (Th. Bu.)	Avg. Farm Price (C$/Bu.)	Total Farm Value (Th. C$)
1950-51	142	23.4	3,323	2.55	8,474
1955-56	214	26.4	5,650	2.09	11,808
1960-61	227	22.0	4,997	2.03	11,521
1965-66	264	30.5	8,047	2.70	21,881
1970-71	336	31.0	10,398	2.78	28,908
1971-72	368	28.0	10,288	3.17	32,575
1972-73	405	34.0	13,779	5.73	78,902
1973-74	469	31.1	14,587	6.17	89,897
1974-75	415	27.0	11,060	6.08	62,563
1975-76	390	34.6	13,485	4.92	54,051
1976-77	378	24.3	9,186	7.13	65,496
1977-78	551	38.7	21,311	6.18	131,702
1978-79	704	26.9	18,960	7.81	148,078
1979-80	689	35.0	24,140	6.96	168,014
1980-81	684	37.1	25,353	8.33	211,182
1981-82	689	32.4	22,303	7.16	159,689
1982-83	899	34.6	31,158	6.68	208,135
1983-84	899	30.0	27,007	9.42	254,406
1984-85	1,001	33.7	33,691	7.40	249,313
1985-86	1,001	37.1	37,181	6.59	245,023
1986-87	949	37.2	35,270	6.27	221,143
1987-88	1,140	40.9	46,660	7.08	330,353
1988-89	1,316	32.2	42,361	8.53	361,339
1989-90	1,333	33.6	44,786	6.61	296,035
1990-91	1,244	39.2	48,754	6.34	309,227

Source: Statistics Canada, Agriculture Division.

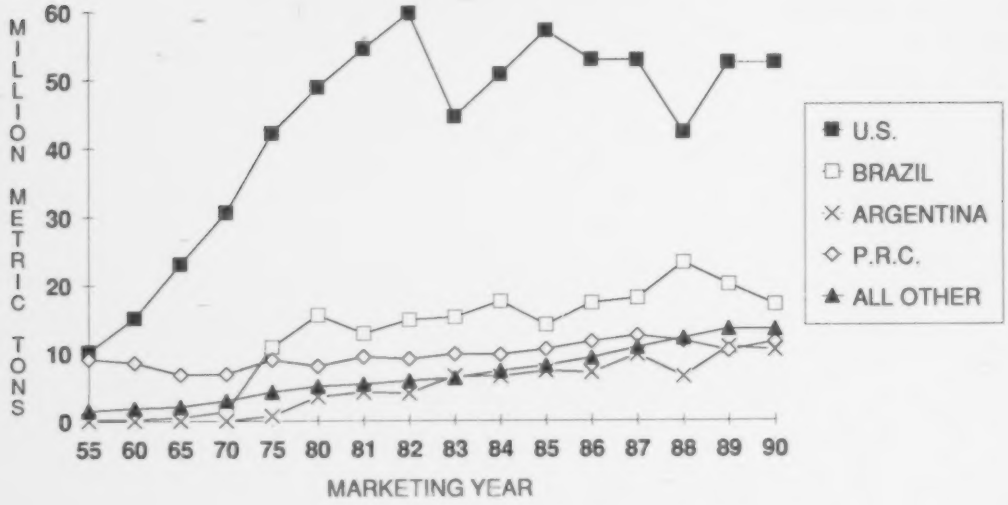
CANADIAN SOYBEAN PRODUCTION AND UTILIZATION

1950 - 1991

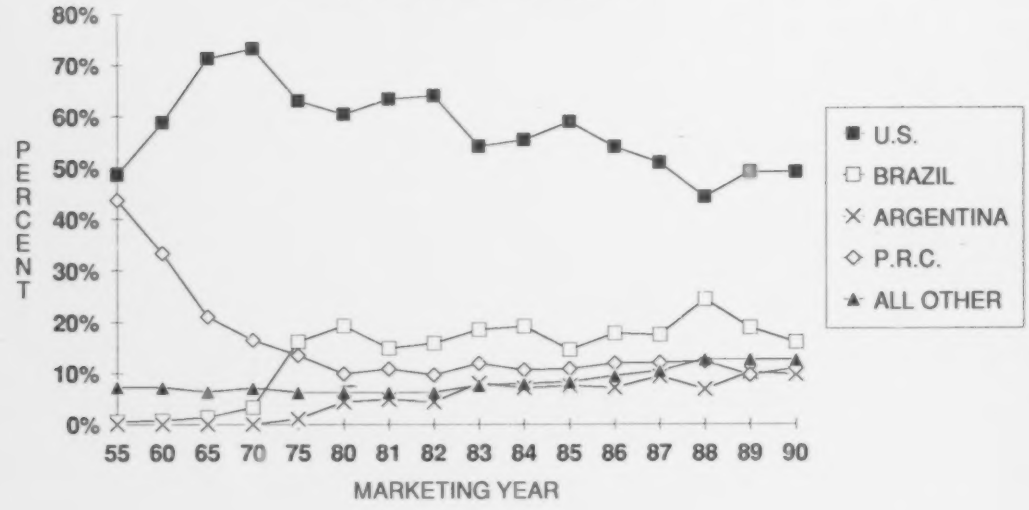
Year Beg. Aug. 1	Production (Th. Bu.)	Imports† (Th. Bu.)	Supplies◊ (Th. Bu.)	Exports† of Beans (Th. Bu.)	Processed for Oil and Meal (Th. Bu.)	Soy Oil Produced (Th. Lb.)	Soybean Oilcake Produced (Short Tons)
1950-51	3,323	4,723	8,046	—	7,393	72,676	176,343
1955-56	5,650	8,309	13,959	1,492	11,799	124,171	279,095
1960-61	4,997	12,345	17,346	1,381	16,279	173,837	380,558
1965-66	8,047	17,049	25,096	2,168	20,650	205,026	491,631
1970-71	10,398	15,726	26,124	808	23,589	240,300	553,360
1971-72	10,288	14,808	25,096	1,396	23,296	240,300	544,542
1972-73	13,799	10,986	24,765	1,102	22,487	218,254	532,416
1973-74	14,587	12,493	27,080	1,102	23,589	240,300	554,462
1974-75	11,060	12,713	23,773	294	23,295	238,095	550,053
1975-76	13,485	13,595	27,080	808	25,721	262,346	606,271
1976-77	9,186	14,404	23,590	2,919	22,303	227,072	528,007
1977-78	21,311	9,664	30,975	2,352	26,749	273,368	625,010
1978-79	18,960	12,860	31,820	3,344	27,301	284,392	636,033
1979-80	24,140	15,506	39,646	1,984	34,466	346,120	813,506
1980-81	25,353	14,734	40,087	5,218	34,172	350,595	806,612
1981-82	22,303	15,579	37,882	3,050	35,347	361,620	835,262
1982-83	31,158	15,396	46,554	4,299	38,324	394,627	918,225
1983-84	27,007	10,288	37,295	2,241	34,429	363,763	809,096
1984-85	33,691	8,377	46,770	4,519	34,095	374,782	795,869
1985-86	37,181	6,430	51,583	6,356	32,846	343,918	767,208
1986-87	35,270	7,973	47,578	5,401	35,013	348,327	805,789
1987-88	46,660	5,548	56,396	6,834	35,270	359,942	796,892
1988-89	42,361	5,842	53,310	10,030	31,413	328,545	720,942
1989-90*	44,786	10,544	61,613	7,054	40,487	441,000	937,219
1990-91**	48,754	2,204	57,938	2,866	14,696		

*Revised. **Preliminary (Aug.1-Dec. 31). †Grain Exports & Imports include seed. ◊ Beginning yr. 84/85 figures include total stocks. Source: Statistics Canada, Agriculture Div.

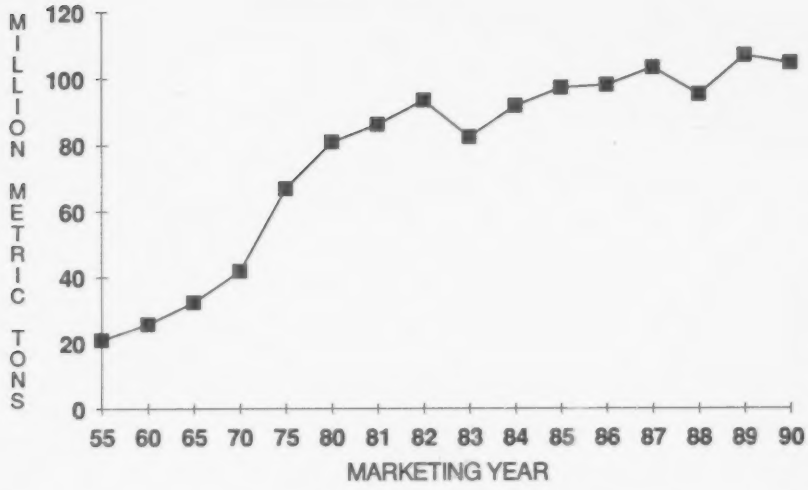
WORLD SOYBEAN PRODUCTION BY MAJOR PRODUCING COUNTRIES AND ALL OTHERS



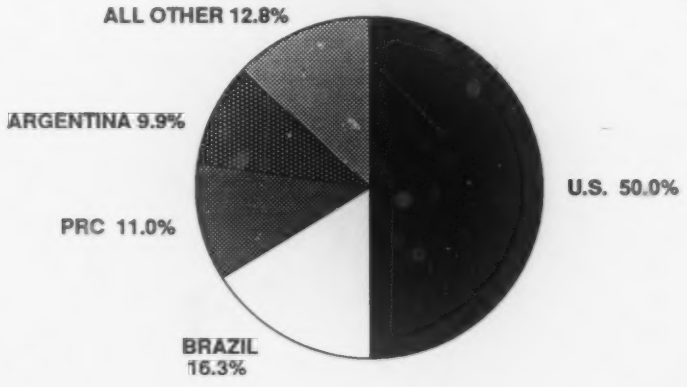
SHARE OF WORLD SOYBEAN PRODUCTION BY MAJOR COUNTRIES AND ALL OTHERS



TOTAL WORLD SOYBEAN PRODUCTION



1990/91 WORLD SOYBEAN PRODUCTION FORECAST OF MARKET SHARE



WORLD SOYBEAN PRODUCTION
Area and Production in Specified Countries and the World Total
1985/86 - 1990/91*

Country/Region	Area† (Thousand Hectares)						Production (Thousand Metric Tons)					
	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91◊	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91◊
North America:												
Canada	405	384	461	533	540	504	1,012	960	1,270	1,153	1,219	1,327
Mexico	370	340	390	139	468	276	710	660	750	300	984	474
United States 1/	24,929	23,598	23,137	23,218	24,094	22,866	57,127	52,868	52,746	42,153	52,354	52,302
Central & South America:												
Argentina	3,316	3,510	4,260	4,000	4,950	4,900	7,300	7,000	9,700	6,500	10,750	10,300
Bolivia	66	69	83	144	173	195	147	110	141	294	230	390
Brazil	9,450	9,270	10,524	12,170	11,400	9,900	14,100	17,300	18,021	23,200	20,000	17,000
Columbia	74	65	81	93	112	120	154	128	115	177	212	232
Ecuador	32	47	55	62	65	62	57	85	92	102	108	107
Guatemala	5	14	12	13	13	8	9	29	26	28	30	17
Jamaica	0	0	0	0	0	0	0	0	0	0	0	0
Paraguay	550	530	615	850	980	980	600	950	1,100	1,615	1,500	1,600
Peru	1	3	3	3	1	1	2	6	5	5	2	2
Uruguay	25	43	43	50	43	39	45	80	70	55	55	58
Venezuela	1	2	2	4	5	5	1	2	2	6	9	9
Africa:												
Egypt	46	50	50	50	39	50	133	140	140	130	100	125
Morocco	1	2	4	2	0	5	1	2	4	2	0	8
Nigeria	115	100	44	55	68	75	55	70	40	55	60	65
Zambia	14	21	26	32	38	38	17	22	32	34	36	44
South Africa	30	40	44	44	61	87	35	63	84	70	110	150
Zimbabwe	45	59	65	71	68	70	84	108	119	121	109	122
Europe:												
Austria	0	0	0	6	5	5	0	0	0	12	10	10
Bulgaria	71	51	36	40	40	40	39	54	34	40	40	40
Czechoslovakia	2	2	2	2	2	3	4	3	5	5	6	6
France	28	48	79	92	135	116	46	85	186	228	287	247
Greece	0	1	2	3	8	7	0	3	4	6	26	18
Hungary	24	23	36	66	54	45	46	51	65	104	116	90
Italy	94	232	481	432	453	515	286	806	1,589	1,408	1,600	1,540
Portugal	0	0	0	0	0	1	0	0	0	0	0	1
Romania	319	312	350	340	360	360	317	472	350	340	450	430
Spain	2	1	2	7	11	17	5	2	4	13	27	43
Switzerland	0	0	0	1	1	1	0	0	0	2	2	3
Yugoslavia	101	96	105	110	88	93	174	225	237	180	209	145
U.S.S.R.:	738	745	783	760	830	835	465	703	712	880	956	920
Asia:												
Burma	30	32	34	36	35	35	23	27	27	28	28	20
China: Mainland	7,718	8,295	8,411	8,120	8,057	7,629	10,509	11,614	12,465	11,645	10,230	11,500
Taiwan	9	9	8	7	4	4	15	18	15	11	8	8
India	1,340	1,527	1,543	1,734	2,134	2,200	1,020	891	898	1,547	1,715	2,100
Indonesia	970	920	950	1,177	1,150	1,250	950	900	950	1,200	1,100	1,200
Iran	50	50	50	50	50	50	90	90	90	90	90	90
Japan	134	138	163	162	152	148	228	245	287	277	272	220
Korea, North	330	335	340	340	340	340	425	435	440	440	440	440
Korea, South	156	133	154	145	157	152	234	199	203	239	252	233
Pakistan	4	5	2	2	4	5	5	5	1	1	4	5
Philippines	7	8	9	10	12	15	6	7	7	8	10	12
Sri Lanka	0	0	3	8	8	8	0	0	2	10	10	10
Syria	0	0	0	10	13	15	0	0	0	16	20	25
Thailand	241	282	303	392	502	375	309	356	338	517	672	480
Turkey	45	60	112	80	100	140	75	120	120	70	120	180
Vietnam	130	135	135	150	150	140	90	95	95	120	120	105
Oceania:												
Australia	71	66	46	71	56	42	105	115	75	113	90	72
WORLD TOTAL	52,089	51,653	54,018	55,866	58,029	54,765	97,055	98,104	103,656	95,550	106,778	104,525

*Split years shown refer to years of harvest, Northern Hemisphere crops which are harvested in the first part of the split year (for example September-October 1985) and Southern Hemisphere crops which are harvested in the first part of the following year (for example March-April 1986). In this example, the split year designation would be 1985/86. †Figures refer to harvested areas. ◊Prelim. 1/Hectares harvested for soybeans. Source: Counselor and Attache Reports, Official Statistics, USDA Estimates; USDA, FAS, Oilseeds and Products Division.

U.S. SOYBEANS: SUPPLY, DISPOSITION, ACREAGE/YIELD AND PRICE
1970 - 1990

Year Beginning September

	1970	1975	1980	1984	1985	1986	1987†	1988†	1989†	1990*
SUPPLY (MIL. BUSHELS)										
Beginning stocks, Sept. 1,	23[illegible]	188.2	358.0	176.0	316.0	536.0	436.0	302.0	182.0	239.0
Production	1,127.0	1,547.4	1,798.0	1,861.0	2,099.0	1,943.0	1,938.0	1,549.0	1,924.0	1,922.0
Total supply	1,357.0	1,735.6	2,156.0	2,037.0	2,415.0	2,479.0	2,375.0	1,855.0	2,109.0	2,163.0
DISPOSITION (MIL. BUSHELS)										
Crushings	760.0	865.1	1,020.0	1,030.0	1,053.0	1,179.0	1,174.0	1,058.0	1,146.0	1,165.0
Exports	434.0	555.1	724.0	598.0	740.0	757.0	802.0	527.0	623.0	540.0
Seed/feed and residual	64.0	70.5	99.0	93.0	86.0	106.0	97.0	88.0	101.0	98.0
Total disposition	1,258.0	1,490.7	1,843.0	1,721.0	1,879.0	2,042.0	2,073.0	1,673.0	1,870.0	1,803.0
Ending stocks, Aug. 31	99.0	244.9	313.0	316.0	536.0	436.0	302.0	182.0	239.0	360.0
Stocks as % of usage	7.9	16.4	17.0	18.4	28.5	21.4	14.6	9.0	8.5	16.0
ACREAGE AND YIELD (MIL. ACRES)										
Acreage planted	43.1	54.6	70.0	67.7	63.1	60.4	58.0	59.0	61.0	58.0
Acreage harvested for beans	42.2	53.6	67.8	66.0	61.6	59.4	57.0	57.4	59.4	56.5
Percent harvested (%)	97.9	98.3	96.9	98.0	97.6	96.7	98.3	97.3	97.4	97.4
Yield (Bu./Acre)	26.7	28.9	26.5	28.2	34.1	33.3	33.7	27.0	32.4	27.1
PRICE PER BUSHEL (DOLLARS)										
Loan Rate	2.25	—	5.02	5.02	5.02	4.77	4.77	4.77	4.53	4.50
Farm price	2.85	4.92	7.57	5.85	5.05	4.78	5.88	7.42	5.57	5.75
No. 1 Yellow, IL pts.	3.00	5.26	7.68	5.98	5.30	5.14	6.76	7.53	5.96	5.50-5.90

*Forecast. †Total supply includes imports. Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91), USDA, Economic Research Service; USDA, ASCS, Coop & Analysis, CGRD Division.

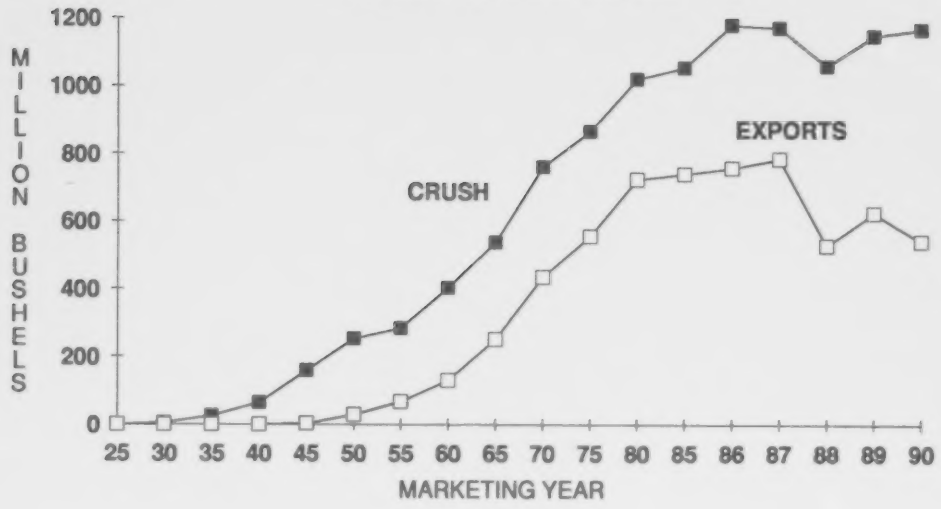
U.S. SOYBEAN MEAL AND OIL: SUPPLY AND DISPOSITION
1970 - 1990

Year Beginning October

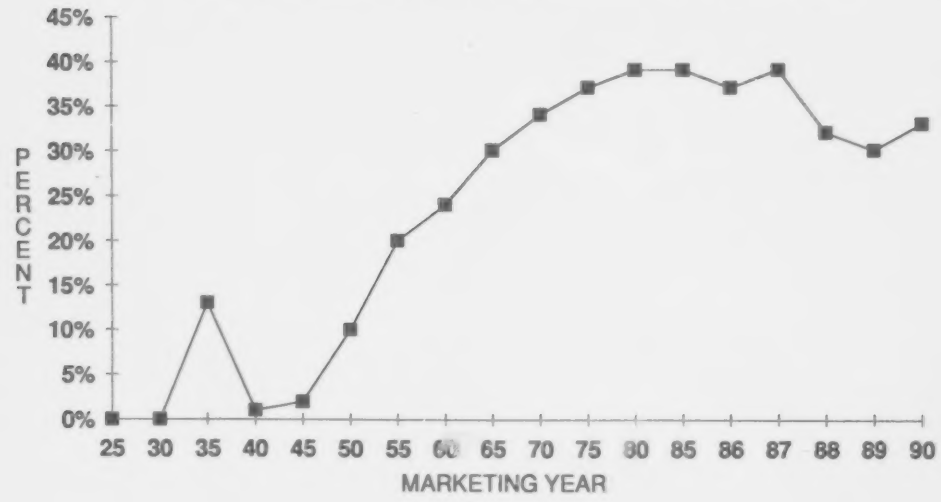
	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990*
SOYBEAN MEAL (THOUSAND SHORT TONS)										
Beginning stocks, Oct. 1	137	358	226	255	387	212	240	153	173	318
Production	18,035	20,754	24,312	24,529	24,951	27,758	28,060	24,943	27,719	27,622
Total supply†	18,172	21,112	24,538	24,784	25,338	27,970	28,300	25,100	27,900	27,950
Domestic usage	13,467	15,612	17,591	19,480	19,090	20,387	21,293	19,657	22,556	22,600
Exports	4,559	5,145	6,784	4,917	6,036 —	7,343	6,854	5,270	5,024	5,000
Total usage	18,026	20,757	24,375	24,397	25,126	27,730	28,147	24,927	27,582	27,600
Ending stocks, Sept. 30	146	355	163	387	212	240	153	173	318	350
SOYBEAN OIL (MIL. POUNDS)										
Beginning stocks, Oct. 1	543	561	1,210	721	632	947	1,725	2,092	1,715	1,305
Production	8,265	9,630	11,270	11,488	11,617	12,783	12,974	11,737	13,004	13,025
Total supply◊	8,808	10,191	12,480	12,209	12,257	13,745	14,895	13,967	14,741	14,350
Domestic usage	6,293	7,964	9,113	9,917	10,053	10,833	10,930	10,591	12,083	12,100
Exports	1,742	976	1,631	1,660	1,257	1,187	1,873	1,661	1,353	775
Total usage	8,035	8,940	10,744	11,577	11,310	12,020	12,803	12,252	13,436	12,875
Ending stocks, Sept. 30	773	1,251	1,736	632	947	1,725	2,092	1,715	1,305	1,425

*Forecast. †Includes imports of 4,000 in 88/89, 8,000 in 89/90 and 10,000 in 90/91. ◊Includes imports of 196 mill. lbs. in 87/88, 138 mill. in 88/89, 22 mill. in 89/90 and forecast 20 mill. in 90/91. Source: Official Statistics; OIL CROPS SITUATION & OUTLOOK REPORT, (Apr. 91), USDA, ERS.

SOYBEAN USAGE IN THE U.S.



U.S. SOYBEAN EXPORTS AS A PERCENT OF TOTAL USAGE



ARGENTINE SOYBEANS & PRODUCTS: SUPPLY AND DISPOSITION

Local Marketing Years (Apr.-Mar.)
(Thousand Metric Tons)

	Area Harvested (Th. Hectares)	Average Yield (MT per Hectare)	Total Production	Imports	Exports	Crush	Domestic Consumption	Ending Stocks
Soybeans								
1975-76	356	1.362	485	0	0	529	574	218
1980-81	2,030	1.773	3,600	0	2,726	720	897	204
1985-86	3,270	2.064	6,750	0	2,954	3,445	3,780	294
1986-87	3,316	2.201	7,300	0	2,586	4,347	4,711	317
1987-88	3,510	1.994	7,000	0	1,292	4,989	5,384	641
1988-89	4,260	2.277	9,700	0	2,100	6,969	7,489	752
1989-90	4,000	1.600	6,400	0	500	5,800	6,350	302
1990-91	4,950	2.172	10,750	0	3,300	7,100	7,580	713
1991-92	4,900	2.102	10,300	0	3,000	6,900	7,400	613
Soybean Meal								
1975-76	—	—	406	0	158	—	265	13
1980-81	—	—	561	0	277	—	277	16
1985-86	—	—	2,739	0	2,521	—	303	34
1986-87	—	—	3,455	0	3,248	—	187	54
1987-88	—	—	3,922	0	3,600	—	332	44
1988-89	—	—	5,582	0	5,350	—	82	194
1989-90	—	—	4,364	0	4,350	—	44	164
1990-91	—	—	5,720	0	5,600	—	135	149
1991-92	—	—	5,550	0	5,425	—	150	124
Soybean Oil								
1975-76	—	—	92	0	20	—	67	6
1980-81	—	—	121	0	88	—	25	12
1985-86	—	—	579	0	544	—	43	40
1986-87	—	—	729	0	649	—	62	58
1987-88	—	—	853	0	800	—	93	18
1988-89	—	—	1,199	0	1,030	—	119	66
1989-90	—	—	927	0	800	—	118	77
1990-91	—	—	1,210	0	1,075	—	135	77
1991-92	—	—	1,175	0	1,050	—	135	67

Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S.D.A., Foreign Ag. Service, Oilseeds and Products Division.

BRAZILIAN SOYBEANS & PRODUCTS: SUPPLY AND DISPOSITION

Local Marketing Years (Feb-Jan)
(Thousand Metric Tons)

	Area Harvested (Th. Hectares)	Average Yield (MT per Hectare)	Total Production	Imports	Exports	Crush	Domestic Consumption	Ending Stocks
Soybeans								
1975-76	5,824	1.698	9,892	0	3,516	5,516	6,171	564
1980-81	8,774	1.727	15,156	474	1,533	13,009	13,929	1,091
1985-86	10,153	1.800	18,278	378	3,456	13,774	14,899	982
1986-87	9,450	1.492	14,100	337	1,192	12,332	13,377	850
1987-88	9,270	1.866	17,300	441	3,290	13,820	15,031	270
1988-89	10,524	1.712	18,021	62	3,020	13,676	15,033	300
1989-90	12,170	1.906	23,200	63	5,081	16,189	17,557	925
1990-91	11,400	1.754	20,000	0	4,300	15,000	16,210	415
1991-92	9,900	1.717	17,000	0	2,900	13,000	14,150	365
Soybean Meal								
1975-76	—	—	4,279	0	3,450	—	810	86
1980-81	—	—	9,968	0	6,936	—	2,595	619
1985-86	—	—	10,688	0	8,628	—	2,120	303
1986-87	—	—	9,590	0	6,961	—	2,649	283
1987-88	—	—	10,782	0	8,030	—	2,779	256
1988-89	—	—	10,710	0	8,477	—	2,191	298
1989-90	—	—	12,626	0	9,578	—	2,909	437
1990-91	—	—	11,700	0	9,000	—	2,800	337
1991-92	—	—	10,140	0	7,350	—	2,900	227
Soybean Oil								
1975-76	—	—	1,022	0	320	—	702	150
1980-81	—	—	2,463	3	809	—	1,516	262
1985-86	—	—	2,587	107	935	—	1,596	270
1986-87	—	—	2,319	158	413	—	2,074	280
1987-88	—	—	2,605	59	975	—	1,832	117
1988-89	—	—	2,576	61	661	—	1,959	134
1989-90	—	—	3,050	15	865	—	2,219	115
1990-91	—	—	2,800	25	825	—	1,950	165
1991-92	—	—	2,440	25	375	—	2,100	155

Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S.D.A., Foreign Agricultural Service, Oilseeds and Products Division.

PRICES OF U.S. SOYBEANS: NO. 1 YELLOW

Average Price Per Bushel, Illinois Country Shipping Points
By Month (In Dollars)

Year*	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	AVG.
1950-51	2.45	2.30	2.72	2.95	3.10	3.25	3.25	3.25	3.24	3.04	2.94	2.87	2.95
1955-56	2.24	2.22	2.19	2.27	2.35	2.45	2.56	2.85	3.10	2.97	2.54	2.40	2.51
1960-61	2.07	2.04	2.05	2.15	2.39	2.66	2.88	3.14	3.06	2.73	2.59	2.63	2.53
1965-66	2.61	2.38	2.49	2.62	2.77	2.84	2.82	2.92	3.03	3.30	3.49	3.63	2.91
1970-71	2.75	2.90	2.97	2.88	2.99	3.01	3.00	2.91	2.99	3.12	3.30	3.23	3.00
1975-76	5.57	5.01	4.71	4.58	4.64	4.75	4.72	4.75	5.23	6.23	6.66	6.31	5.26
1976-77	6.59	6.22	6.55	6.86	7.06	7.26	8.25	9.60	9.42	8.25	6.40	5.49	7.33
1977-78	5.16	5.07	5.84	5.94	5.73	5.65	6.58	6.81	7.01	6.76	6.62	6.47	6.14
1978-79	6.42	6.72	6.68	6.81	6.89	7.28	7.45	7.27	7.21	7.70	7.64	7.28	7.11
1979-80	7.04	6.56	6.52	6.53	6.36	6.42	6.07	5.80	6.04	6.10	7.22	7.45	6.51
1980-81	8.13	8.27	8.91	7.73	7.57	7.34	7.37	7.72	7.58	7.13	7.36	6.94	7.87
1981-82	6.44	6.30	6.28	6.23	6.30	6.24	6.16	6.42	6.56	6.31	6.20	5.73	6.26
1982-83	5.40	5.26	5.70	5.73	5.81	5.86	5.98	6.35	6.27	6.06	6.59	8.46	6.12
1983-84	8.93	8.46	8.20	7.77	7.67	7.37	7.97	7.98	8.61	7.91	6.85	6.63	7.86
1984-85	6.21	6.27	6.25	6.07	6.04	5.97	6.08	6.13	5.95	5.88	5.65	5.26	5.98
1985-86	5.19	5.05	5.19	5.32	5.45	5.38	5.47	5.40	5.44	5.43	5.33	5.00	5.30
1986-87	4.96	4.89	5.08	4.96	4.95	4.89	4.92	5.12	5.52	5.63	5.47	5.28	5.14
1987-88	5.27	5.32	5.64	5.94	6.17	6.21	6.30	6.71	7.31	9.13	8.59	8.52	6.76
1988-89	8.52	7.92	7.67	7.83	7.83	7.60	7.78	7.39	7.40	7.25	7.08	6.06	7.53
1989-90	6.00	5.64	5.70	5.82	5.72	5.85	6.00	6.00	6.20	6.09	6.19	6.26	5.96
1990-91	6.28	6.14	5.87†	5.91									

*Year begins in September. †Preliminary. Note: Beginning September 1953, price quotations are for No. 1 and No. 2 yellow soybeans when the degrading factors were test weight and/or splits only. Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91), U.S. Department of Agriculture, Economic Research Service.

PRICES OF U.S. SOYBEANS: RECEIVED BY FARMERS

Average Price Per Bushel
By Month* (In Dollars)

Year†	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	AVG.◊
1950-51	2.26	2.03	2.54	2.70	2.90	3.08	3.10	3.12	3.13	2.98	2.86	2.71	2.47
1955-56	2.00	2.08	2.06	2.11	2.19	2.25	2.38	2.63	2.98	2.87	2.47	2.33	2.22
1960-61	1.97	1.94	1.96	1.99	2.23	2.48	2.68	3.02	2.96	2.60	2.48	2.49	2.13
1965-66	2.35	2.31	2.36	2.48	2.67	2.77	2.71	2.78	2.90	3.04	3.37	3.49	2.54
1970-71	2.66	2.67	2.86	2.77	2.86	2.92	2.91	2.80	2.85	2.98	3.18	3.09	2.85
1975-76	5.32	4.92	4.45	4.28	4.46	4.50	4.46	4.52	4.87	6.16	6.73	6.07	4.92
1976-77	6.65	5.90	6.11	6.56	6.81	7.06	7.83	9.05	9.24	8.13	6.52	5.48	6.81
1977-78	5.17	5.28	5.61	5.68	5.75	5.53	6.20	6.49	6.77	6.69	6.40	6.21	5.88
1978-79	6.20	6.26	6.41	6.49	6.58	6.99	7.16	7.06	7.06	7.36	7.36	7.07	6.66
1979-80	6.81	6.35	6.30	6.27	6.39	6.20	5.94	5.63	5.91	5.76	6.75	7.18	6.26
1980-81	7.59	7.68	8.18	7.80	7.80	7.50	7.59	7.60	7.42	7.10	7.16	6.71	7.57
1981-82	6.21	6.06	6.04	6.00	6.13	6.04	5.99	6.17	6.27	6.12	5.99	5.59	6.04
1982-83	5.22	5.06	5.34	5.46	5.56	5.66	5.82	6.08	6.05	5.91	6.28	7.57	5.67
1983-84	8.28	7.96	7.81	7.75	7.85	7.28	7.68	7.83	8.12	7.99	6.95	6.50	7.83
1984-85	6.09	6.07	6.01	5.82	5.91	5.77	5.88	5.88	5.70	5.62	5.42	5.10	5.84
1985-86	4.99	4.85	4.92	5.01	5.16	5.18	5.23	5.23	5.25	5.19	5.11	4.99	5.05
1986-87	4.86	4.51	4.64	4.67	4.70	4.69	4.73	4.90	5.20	5.36	5.25	5.02	4.78
1987-88	5.02	5.04	5.36	5.63	5.73	5.97	5.93	6.98	6.99	8.14	8.50	8.33	6.15
1988-89	7.93	7.53	7.43	7.53	7.69	7.41	7.51	7.29	7.20	7.05	6.83	6.07	7.42
1989-90	5.70	5.54	5.66	5.64	5.65	5.57	5.65	5.82	5.96	5.88	5.97	6.00	5.70
1990-91	5.99	5.87	5.78	5.72Δ									

†Year begins in September. ◊Weighted average. *Monthly prices computed by weighting state prices by estimated sales for the month. ΔPreliminary. Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91), USDA, Economic Research Service.

U.S. SOYBEAN PRICE SUPPORT OPERATIONS

Year Beg. October	Production (1,000 Bu.)	Owned by CCC on Oct. 1 (1,000 Bu.)	Under Price Support				Deliveries to CCC (1,000 Bu.)	Support Rate Per Bu. ($)	Season Avg. Price Rec'd by Farmers 1/ ($)	Price Rec'd by Farmers as % of Parity 2/ (%)
			Loans (1,000 Bu.)	Purchase Agreements (1,000 Bu.)	Total (1,000 Bu.)	Percent of Crop (%)				
1945	193,167	—	32	—	32	0.02	—	2.04	2.08	123
1950	299,249	7	14,716	238	14,954	5.00	29	2.06	2.47	102
1955	373,682	6,570	27,490	2,643	30,133	8.10	2	2.04	2.22	82
1960	555,085	9,700	25,400	200	25,600	4.60	0	1.85	2.13	84
1965	845,608	9	86,517	—	86,517	10.20	29	2.25	2.54	84
1970	1,127,100	115,311 3/	146,416	—	146,416	13.00	37	2.25	2.85	75
1975	1,548,344	—	—	—	—	—	—	None	4.92	68
1976	1,288,608	—	22,471	—	22,471	1.70	—	2.50	6.81	90
1977	1,767,267	—	97,262	—	97,262	5.50	—	3.50	5.88	77
1978	1,868,754	—	64,208	—	64,208	3.40	17	4.50	6.66	75
1979	2,260,665	1	122,349	—	122,349	5.40	122	4.50	6.29	62
1980	1,797,543	19	133,192	—	133,192	7.40	3,424	5.02	7.60	65
1981	1,989,110	—	221,154	—	221,154	11.10	23,419	5.02	6.07	49
1982	2,190,297	2,704	396,564	—	296,564	18.10	287	5.02	5.71	44
1983	1,635,772	20,770	101,208	—	101,208	6.20	443	5.02	7.83	60
1984	1,860,863	3,018	278,257	—	278,257	14.95	151,716	5.02	5.84	46
1985	2,099,056	30,687	517,661	—	517,661	24.67	301,327	5.02	5.06	40
1986	1,942,558	171,044	327,009	—	327,009	16.86	105	4.77	4.78	38
1987	1,937,722	232,030	274,717	—	274,717	14.18	62	4.77	5.88	49
1988	1,548,841	2,914	120,070	—	120,070	7.75	38	4.77	7.42	60
1989	1,923,666	627	208,879	—	208,879	10.86	12	4.53	5.69	46
1990	1,921,787	45	—	—	—	—	—	4.50	—	—

1/State average weighted by sales to obtain national average. Prices for years in which there was a substantial volume of deliveries to CCC from loans and purchase agreements include an allowance for such deliveries valued at average loan rates. 2/Generally mid-September parity prices. 3/Excludes 42 million bushels resealed. Source: Official Statistics; U.S. Department of Agriculture, Agricultural Stabilization & Conservation Service, Analysis Division.

U.S. SOYBEAN CROP VALUE
U.S. and Major Producing States
1925 - 1990 (In $1,000)

Year	Total U.S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota	Arkansas
1925	11,430	3,077	260	872	571	905	—	69
1930	19,058	8,225	1,350	2,495	651	1,584	—	184
1935	35,565	18,983	4,510	4,879	1,771	1,140	76	604
1940	70,224	29,675	12,478	8,928	8,168	1,601	779	832
1945	402,234	156,416	73,143	58,889	39,935	19,843	13,860	6,822
1950	737,760	238,383	112,094	89,208	62,539	64,790	42,785	28,357
1955	830,909	227,956	101,293	99,951	66,640	71,155	98,412	44,469
1960	1,184,910	288,335	141,164	140,843	80,063	102,304	87,623	109,231
1965	2,151,305	467,141	329,121	199,362	129,702	192,762	155,213	195,392
1970	3,204,650	611,320	520,572	289,611	195,389	250,937	229,126	279,484
1975	7,617,884	1,530,547	1,206,228	605,593	511,500	549,921	494,721	551,075
1976	8,768,979	1,758,834	1,409,648	747,184	664,330	558,600	479,697	533,520
1977	10,351,545	2,021,163	1,487,933	806,637	698,342	854,112	789,627	650,670
1978	12,458,598	2,078,089	1,930,082	963,323	852,994	1,056,284	952,963	773,808
1979	14,250,214	2,448,857	1,890,334	1,005,638	916,837	1,142,272	975,360	928,648
1980	13,559,595	2,361,248	2,352,939	1,195,214	1,036,858	1,028,331	1,084,066	516,128
1981	12,071,341	2,161,725	1,916,880	922,944	616,455	934,856	803,184	610,830
1982	12,462,799	2,086,238	1,784,412	954,608	756,576	959,310	982,181	602,976
1983	12,774,974	2,119,782	2,159,150	974,702	830,234	807,520	1,159,752	553,261
1984	10,748,050	1,662,161	1,468,530	880,940	803,613	627,997	938,956	604,344
1985	10,571,324	1,977,525	1,545,403	932,854	819,086	894,958	769,800	508,880
1986	9,262,746	1,767,600	1,658,693	748,510	712,525	786,581	768,180	328,020
1987	11,391,000	1,983,600	2,051,591	1,033,560	857,142	899,232	1,106,235	442,520
1988	11,487,742	1,750,005	1,840,563	872,025	753,246	835,108	911,040	628,160
1989	10,916,145	2,039,040	1,814,810	961,574	718,370	682,080	1,032,300	442,176
1990	11,214,561	2,129,400	1,862,425	1,002,573	793,962	722,100	1,022,580	547,223

Source: U.S. Department of Agriculture, National Agricultural Statistics Service.

U.S. FARM MARKETINGS OF SOYBEANS

Percent of Open Market Farm Sales, by Month
1980/81 - 1989/90

Crop Marketing Season

Month	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
September	9.9	6.0	5.7	8.1	4.2	5.8	7.0	12.4	8.4	5.6
October	25.2	18.4	17.6	20.2	14.3	17.4	20.1	23.3	23.4	24.6
November	11.4	15.6	14.0	12.0	19.9	13.6	12.2	10.0	12.0	10.5
December	5.4	7.2	8.5	7.4	9.0	12.0	8.3	5.9	8.8	7.0
January	10.4	10.7	12.6	11.7	9.5	13.9	13.6	13.0	13.5	12.3
February	4.3	6.4	6.2	5.5	5.5	5.6	6.4	6.5	4.0	7.3
March	7.8	6.6	6.7	9.7	8.9	8.1	6.7	6.8	6.9	8.2
April	5.9	9.1	5.7	6.3	6.9	5.9	6.9	5.0	4.6	6.3
May	5.0	6.7	4.0	11.0	4.8	4.6	6.0	5.4	4.2	5.2
June	3.6	4.0	4.3	3.2	5.9	5.0	4.3	4.9	5.6	3.6
July	5.4	4.9	7.8	2.1	6.1	4.7	4.4	3.8	4.1	4.3
August	5.7	4.4	6.9	2.7	5.0	3.4	4.1	3.0	4.5	5.1
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: U.S. Department of Agriculture, National Agricultural Statistics Service.

VALUE OF U.S. SOYBEAN PRODUCTS AND CRUSH MARGIN (PER BUSHEL)

1950 - 1989

	Value of Products per Bushel							Soybean Price		Margin Between Value of Products and Soybean Price	
	Soy Oil			Soybean Meal			Total				
Year beg. Sept.	Yield* (pounds)	Price† (cents)	Value (dollars)	Yield* (pounds)	Price† (cents)	Value (dollars)	Value in (dollars)	Rec'd by Farmers◊ (dollars)	No. 1 Y IL pts.◊ (dollars)	Rec'd by Farmers (dollars)	No. 1 Y IL pts. (dollars)
1950	9.7	17.9	1.74	46.8	3.16	1.48	3.22	2.47	2.95	.75	.27
1955	11.1	12.5	1.39	46.2	2.68	1.24	2.63	2.22	2.51	.41	.12
1960	11.0	11.2	1.23	47.0	3.00	1.41	2.64	2.13	2.53	.51	.11
1965	10.7	11.8	1.26	47.5	4.02	1.91	3.17	2.54	2.91	.63	.26
1970	10.8	12.8	1.38	47.4	3.96	1.88	3.26	2.85	3.00	.41	.26
1975	10.9	18.5	2.02	47.3	7.20	3.40	5.42	4.92	5.26	.50	.16
1980	11.1	23.3	2.58	47.9	11.10	5.32	7.90	7.57	7.67	.33	.23
1981	10.7	19.1	2.04	47.9	9.25	4.43	6.47	6.04	6.26	.43	.21
1982	10.8	19.0	2.22	47.9	9.40	4.48	6.70	5.65	6.12	1.05	.58
1983	11.3	31.1	3.50	47.4	9.78	4.63	8.13	7.83	7.86	.30	.27
1984	11.0	30.0	3.31	47.2	6.33	2.99	6.30	5.85	5.96	.45	.32
1985	11.0	18.7	2.06	47.3	7.60	3.59	5.65	5.05	5.30	.60	.35
1986	10.9	15.2	1.65	47.1	8.08	3.80	5.46	4.78	5.14	.68	.32
1987	11.0	22.1	2.44	47.8	10.73	5.13	7.57	6.15	6.76	1.42	.81
1988	11.2	21.7	2.42	47.4	11.87	5.63	8.05	7.42	7.53	.63	.52
1989	11.2	21.5	2.40	47.6	8.86	4.21	6.61	5.70	5.96	.91	.65

*Actual outturn of oil and meal as calculated from Bureau of Census Reports. †Simple average of monthly cash prices per pound using the following quotations: soybean oil, crude, tank cars, F.O.B. Decatur, IL.: soybean meal, bulk, 44% protein, Decatur, IL. ◊Season average price received by farmers weighted by the estimated percent of crops sold each month. Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91), USDA, Economic Research Service.

U.S. SOYBEAN MEAL: PRICES PAID BY FARMERS

Soybean Meal, 44% Protein: Dollars per 100 Pounds, 1950 - 1991

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	AVG.
1950	4.20	4.02	4.11	4.19	4.58	4.73	5.16	5.01	4.44	4.15	4.24	4.34	4.43
1955	4.77	4.73	4.62	4.50	4.36	4.16	4.16	4.14	4.17	4.33	4.08	3.97	4.33
1960	4.24	4.19	4.14	4.16	4.09	4.05	4.03	3.98	4.01	3.96	3.85	3.80	4.04
1965	4.76	4.81	4.80	4.82	4.82	4.90	5.03	5.04	5.01	5.01	5.10	5.01	4.93
1970	5.73	5.87	5.62	5.46	5.45	5.42	5.56	5.67	5.72	5.69	5.62	5.67	5.62
1975	9.86	9.10	8.37	8.64	8.54	8.48	8.57	8.88	9.24	9.23	8.75	8.74	8.87
1980	12.80	12.80	12.60	12.20	12.30	12.40	12.70	13.70	14.60	15.30	16.50	16.30	13.68
1981	15.90	15.50	15.00	15.20	15.40	15.20	15.00	14.90	14.40	14.00	13.70	13.80	14.83
1982	13.70	13.90	13.70	13.80	13.90	13.90	13.70	13.50	13.20	12.90	12.90	13.00	13.51
1983	13.10	13.20	13.20	13.60	13.70	13.50	13.50	14.70	15.70	15.80	15.80	15.60	14.28
1984	15.60	14.80	14.50	14.50	14.20	13.60	13.00	12.60	12.30	11.80	11.60	11.30	13.32
1985	11.10	11.00	10.60	10.30	10.10	9.82	9.74	9.76	10.00	10.30	10.60	10.70	10.34
1986*	10.90	11.10		11.40			11.50			11.60			11.30
1987	11.30			11.40			12.40			12.60			11.93
1988	13.90			13.70			18.00			17.00			15.60
1989	16.60			15.60			15.60			14.70			15.63
1990	13.50			12.70			14.00			13.10			13.33
1991	12.50			12.70									

*Monthly program discontinued. Quarterly program began April 1986. Source: Agricultural Prices, U.S. Department of Agriculture, National Agricultural Statistics Service.

U.S. SOYBEAN MEAL: AVERAGE WHOLESALE PRICE

Soybean Meal, 44% Protein: Dollars per Ton, Bulk Decatur By Month, 1950/51 - 1990/91

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	AVG.*
1950-51	54.05	61.45	64.70	63.90	69.25	67.00	62.00	63.40	64.40	68.80	64.60	69.75	64.44
1955-56	56.00	49.00	50.25	51.00	49.40	47.40	53.00	60.05	60.75	54.80	52.10	46.90	52.55
1960-61	48.95	44.50	51.25	55.20	61.50	64.45	73.10	71.00	63.85	65.00	68.90	59.60	60.60
1965-66	70.80	75.70	71.40	78.80	77.30	71.50	75.50	80.30	92.70	97.20	97.90	88.40	81.50
1970-71	77.25	77.90	82.00	80.25	77.50	77.00	74.25	78.25	81.50	84.25	78.75	73.25	78.80
1975-76	125.90	119.90	125.10	128.25	132.60	127.90	127.10	152.25	187.90	193.90	173.30	179.20	147.80
1976-77	169.60	181.20	197.60	207.00	211.00	226.20	275.60	258.25	225.30	162.00	140.30	143.60	199.80
1977-78	135.00	161.70	160.10	162.20	152.90	179.40	173.00	177.40	169.75	172.00	162.90	163.90	164.20
1978-79	176.80	177.10	188.75	184.90	190.90	194.50	191.10	188.00	209.60	201.60	188.90	188.60	190.10
1979-80	181.40	183.10	188.00	180.20	174.25	164.60	154.20	166.50	160.90	187.90	207.40	234.50	181.90
1980-81	246.40	261.40	223.70	223.50	212.50	210.40	222.00	221.00	200.90	204.10	202.25	190.00	218.20
1981-82	180.75	178.40	187.50	191.00	191.00	183.60	190.25	192.40	183.60	181.90	169.00	160.80	182.50
1982-83	157.00	173.40	178.50	179.75	177.10	177.30	186.75	185.75	175.50	189.30	232.80	233.60	187.20
1983-84	228.60	224.70	216.60	201.90	184.40	196.40	190.00	187.40	174.40	157.60	151.60	144.90	188.20
1984-85	141.60	135.20	136.75	135.20	125.25	125.90	117.30	111.50	110.25	114.00	121.40	130.60	125.40
1985-86	138.30	142.50	145.00	153.25	152.25	163.70	157.00	157.90	158.90	161.00	163.50	165.20	154.90
1986-87	151.90	154.00	149.60	146.80	154.40	146.60	159.00	174.90	185.80	181.25	169.90	177.20	162.60
1987-88	185.50	206.60	214.80	193.75	183.00	191.80	200.40	223.50	287.80	255.60	255.10	264.90	221.90
1988-89	259.60	248.20	246.00	249.30	234.10	237.10	220.75	214.70	227.50	231.50	215.50	217.10	233.40
1989-90	190.60	183.40	179.40	172.30	161.10	165.10	165.40	176.20	169.10	172.15	172.40	176.90	173.67
1990-91	184.60	163.15	168.40	165.70	163.60								

Source: U.S. Department of Agriculture, Agricultural Marketing Service. *Prices rounded to the nearest ten cents.

U.S. SOYBEAN MEAL: BEGINNING STOCKS, PRODUCTION, EXPORTS AND DOMESTIC DISAPPEARANCE

By Month 1983-1990 (Thousand Short Tons)

Year beg. Oct. 1	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	TOTAL
1983-84													
Stocks†	474.1	419.3	466.8	391.1	475.8	446.7	460.7	418.6	427.2	391.2	355.5	242.7	—
Production†	2,287.9	2,049.1	2,122.6	2,220.2	1,872.2	2,029.2	1,760.3	1,872.2	1,665.0	1,629.1	1,689.6	1,559.0	22,756.4
Exports	593.5	617.5	664.7	687.6	578.0	580.9	400.1	315.5	265.7	287.1	278.8	166.1	5,435.5
Domestic Disappearance	1,749.2	1,384.1	1,533.6	1,447.7	1,323.3	1,434.3	1,402.3	1,548.1	1,435.3	1,377.1	1,523.6	1,380.2	17,536.8
1984-85													
Stocks†	255.4	236.1	285.7	336.8	319.3	334.1	444.6	428.8	495.8	569.6	562.5	458.0	—
Production†	2,107.6	2,326.0	2,381.0	2,226.4	1,887.2	2,023.6	1,958.3	2,100.9	1,952.7	1,934.0	1,831.6	1,800.6	24,529.9
Exports	256.2	474.7	635.7	515.3	431.8	416.3	387.4	331.3	353.0	338.7	364.4	411.7	4,916.5
Domestic Disappearance	1,870.7	1,801.7	1,694.2	1,728.3	1,440.9	1,496.8	1,585.7	1,703.6	1,525.9	1,602.4	1,571.7	1,460.0	19,481.9
1985-86													
Stocks†	386.9	318.4	369.2	358.4	372.4	281.3	386.6	300.8	282.4	278.7	250.6	298.3	—
Production†	2,218.1	2,287.7	2,379.9	2,343.8	1,925.2	2,159.7	2,008.4	2,036.7	1,879.4	1,976.6	1,863.4	1,878.7	24,957.6
Exports	397.8	615.1	638.5	590.3	619.1	649.3	607.7	378.1	452.9	404.2	345.0	312.9	6,010.9
Domestic Disappearance	1,888.8	1,621.8	1,752.2	1,739.5	1,397.2	1,405.1	1,486.5	1,677.0	1,430.2	1,600.5	1,474.9	1,844.6	19,118.3
1986-87													
Stocks†	211.7	218.0	387.3	240.3	311.2	277.5	235.8	244.0	321.7	261.3	292.9	301.3	—
Production†	2,520.9	2,562.8	2,527.3	2,590.1	2,409.9	2,489.1	2,256.4	2,245.6	2,134.9	2,185.2	1,948.9	1,887.7	27,758.8
Exports	524.1	818.4	887.8	584.9	930.1	992.4	654.8	427.8	455.8	480.3	382.0	204.6	7,343.0
Domestic Disappearance	1,990.6	1,575.2	1,786.4	1,926.4	1,513.5	1,538.4	1,593.4	1,740.1	1,739.5	1,673.2	1,558.5	1,744.2	20,379.4
1987-88													
Stocks†	240.2	267.6	311.8	296.2	390.4	304.9	243.7	299.5	255.6	294.4	437.4	284.6	—
Production†	2,439.4	2,667.8	2,649.3	2,554.4	2,377.1	2,572.8	2,449.9	2,339.9	2,129.0	2,110.3	1,872.5	1,897.8	28,060.2
Exports	260.4	509.8	654.9	635.0	986.9	984.7	739.1	716.7	366.8	301.1	285.6	441.0	6,871.0
Domestic Disappearance	2,151.6	2,113.9	2,021.0	1,825.2	1,475.8	1,649.4	1,654.9	1,667.1	1,723.4	1,666.2	1,759.7	1,567.9	21,275.9
1988-89													
Stocks†	153.5	267.8	295.6	353.6	442.3	395.7	237.9	296.8	260.4	218.0	264.9	152.0	—
Production†	2,235.5	2,399.4	2,390.0	2,359.8	2,036.3	2,218.8	2,126.6	2,061.2	1,802.9	1,749.2	1,804.4	1,758.6	24,942.7
Exports	511.8	409.0	594.1	548.0	512.1	760.9	610.9	532.4	180.8	134.0	177.1	159.7	5,130.8
Domestic Disappearance	1,609.4	1,962.7	1,737.9	1,723.2	1,570.8	1,615.8	1,456.7	1,565.1	1,664.6	1,568.2	1,740.1	1,578.1	19,792.5
1989-90													
Stocks†	172.9	220.5	194.3	328.2	254.0	262.0	311.8	307.9	252.6	262.5	287.7	232.0	—
Production†	2,246.2	2,492.5	2,519.6	2,548.6	2,170.9	2,432.3	2,263.7	2,224.2	2,183.4	2,196.6	2,237.1	2,187.3	22,702.6
Exports	265.0	371.4	565.1	570.4	560.1	566.8	433.0	426.3	415.6	288.4	316.9	245.3	5,024.9
Domestic Disappearance	1,933.5	2,713.0	1,820.6	2,052.4	1,602.8	1,815.6	1,834.8	1,853.1	1,757.8	1,903.0	1,955.9	1,855.8	27,532.9

†Includes millfeed (hull meal). Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91), USDA, ERS.

PRICES OF U.S. SOYBEAN OIL

Soy Oil, Domestic Crude: Average Cents Per Pound
In Tank Cars At Midwestern Mills
By Month, 1950-1990

Yr. Beg. Oct. 1	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	AVG*
1950-51	14.6	17.1	19.6	20.6	21.1	20.5	20.5	19.5	16.4	14.5	15.4	14.0	17.8
1955-56	10.9	11.0	10.9	11.7	12.8	14.3	14.9	15.3	13.6	12.5	11.4	11.3	12.5
1960-61	9.4	10.2	10.0	10.9	12.2	13.3	13.3	12.7	13.6	10.9	10.9	10.5	11.3
1965-66	11.5	11.2	11.2	11.9	12.0	11.3	11.6	11.3	11.2	12.3	14.1	12.3	11.8
1970-71	14.0	13.9	12.4	12.3	12.1	12.2	11.2	11.4	12.8	14.5	14.5	12.8	12.8
1975-76	21.4	18.9	16.8	16.2	16.3	16.6	16.3	15.8	17.6	20.9	20.4	22.5	18.3
1976-77	20.7	21.8	21.0	20.9	22.4	26.5	29.6	31.3	28.3	23.8	21.1	19.2	23.9
1977-78	18.8	21.0	22.6	20.9	21.6	26.6	26.8	28.8	26.9	25.9	26.3	27.8	24.5
1978-79	26.7	23.7	25.3	25.8	27.3	26.9	26.7	27.8	27.4	29.1	29.2	30.0	27.2
1979-80	27.9	27.8	26.2	23.6	23.4	22.1	20.3	20.8	21.6	26.2	25.9	26.1	24.3
1980-81	25.1	26.7	23.7	23.0	22.0	23.1	23.4	21.6	21.3	22.8	20.8	19.4	22.7
1981-82	19.7	19.9	18.9	18.4	18.2	18.5	19.7	20.6	19.4	19.0	17.9	17.4	19.0
1982-83	17.4	17.6	16.6	16.4	17.3	17.7	19.3	19.8	19.4	21.6	30.2	34.3	20.6
1983-84	30.7	28.1	27.4	28.3	27.2	30.1	32.1	39.0	36.0	30.9	29.0	28.0	30.6
1984-85	30.6	31.9	28.4	28.0	29.6	31.4	33.6	32.5	32.5	29.1	24.1	22.5	29.5
1985-86	20.7	20.6	21.4	20.6	18.6	17.6	17.7	17.8	16.8	16.2	14.3	13.9	18.0
1986-87	14.6	14.9	14.9	15.6	15.4	15.2	15.3	16.2	16.0	15.4	15.2	15.6	15.4
1987-88	17.0	17.6	19.0	22.0	21.9	20.2	21.7	26.6	27.7	29.7	27.2	25.6	23.0
1988-89	23.4	21.6	22.2	21.1	21.2	22.1	22.0	22.2	20.8	19.7	18.1	18.7	21.1
1989-90	19.0	19.6	19.1	19.3	20.3	22.8	23.4	24.7	25.0	24.7	25.1	24.5	22.3

*Simple average for months shown. Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91), U.S. Department of Agriculture, Economic Research Service.

U.S. OILSEED CAKE AND MEALS: SUPPLY DISPOSITION AND PRICE
1982 - 1990

Year Beg. October	Supply				Disposition				Price per Ton†
	Stocks Oct. 1*	Production	Imports	Total	Domestic Disappearance 1,000 tons	Exports	Shipments	Total	Dollars
1982									
Soybean	175	26,714	—	26,889	19,306	7,109	—	26,415	187.20
Cottonseed	154	1,588	—	1,742	1,648	1	—	1,649	176.55
Linseed	5	180	2	187	87	94	—	182	145.05
Peanut	1	70	—	71	102	—	—	69	198.30
Total	335	28,552	2	28,889	21,111	7,204	—	28,315	—
1983									
Soybean	474	22,756	—	23,230	17,615	5,360	—	22,975	188.20
Cottonseed	93	1,134	—	1,227	1,126	1	—	1,127	190.20
Linseed	5	236	1	242	122	113	—	235	140.20
Peanut	2	71	—	73	70	—	—	70	209.00
Total	574	24,197	1	24,772	18,933	5,474	—	24,407	—
1984									
Soybean	255	24,529	—	24,784	19,480	4,917	—	24,397	125.40
Cottonseed	100	1,732	—	1,832	1,758	6	—	1,764	99.40
Linseed	7	183	2	192	112	77	—	189	87.90
Peanut	3	95	—	98	85	—	—	85	130.00
Sunflower	6	355	—	361	339	16	—	355	52.35
Total	371	26,894	2	27,267	21,774	5,016	—	26,790	—
1985									
Soybean	387	24,951	—	25,338	19,090	6,036	—	25,126	154.90
Cottonseed	68	1,526	—	1,594	1,520	5	—	1,525	134.30
Linseed	3	166	3	172	103	65	—	168	113.95
Peanut	13	137	—	150	146	—	—	146	160.00
Sunflower	6	393	—	399	344	49	—	393	68.80
Total	477	27,173	3	27,653	21,203	6,155	—	27,358	—
1986									
Soybean	212	27,758	—	27,970	20,387	7,343	—	27,730	162.70
Cottonseed	69	1,112	—	1,181	1,131	18	—	1,149	148.55
Linseed	4	185	2	191	133	56	—	189	113.25
Peanut	4	102	—	106	104	—	—	104	167.70
Sunflower	6	336	—	342	297	39	—	336	75.85
Total	295	29,493	2	29,790	22,252	7,456	—	29,508	—
1987									
Soybean	240	28,060	—	28,300	21,293	6,854	—	28,147	221.90
Cottonseed	32	1,647	—	1,679	1,590	45	—	1,635	178.50
Linseed	2	191	2	195	127	65	—	−192	160.30
Peanut	2	109	—	111	109	—	—	109	220.90
Sunflower	6	470	—	476	420	51	—	471	98.80
Total	282	30,477	2	30,761	23,539	7,015	—	30,554	—
1988									
Soybean	153	24,943	4	25,100	19,657	5,278	—	24,927	233.00
Cottonseed	44	1,689	3	1,736	1,632	23	—	1,655	185.00
Linseed	3	163	11	177	113	59	—	172	162.05
Peanut	2	168	—	170	160	5	—	165	223.15
Sunflower	5	327	14	346	336	7	—	343	120.00
Total	207	27,290	32	27,529	21,898	5,372	—	27,262	—
1989									
Soybean	173	27,719	8	27,900	22,558	5,024	—	27,582	173.75
Cottonseed	81	1,327	22	1,430	1,366	16	—	1,382	163.30
Linseed	5	145	6	156	130	21	—	151	130.40
Peanut	5	111	—	116	98	15	—	113	225.00
Sunflower	3	291	14	308	300	3	—	303	100.40
Total	267	29,593	50	29,910	24,452	5,079	—	29,531	—
1990**									
Soybean	318	27,622	10	27,950	22,600	5,000	—	27,600	160.00
Cottonseed	48	1,640	17	1,705	1,615	15	—	1,630	142.50
Linseed	N/A	N/A	10	—	N/A	35	—	—	125.00
Peanut	3	130	—	133	109	20	—	129	207.50
Sunflower	5	337	6	348	337	6	—	343	82.00
Total	374	29,729	43	30,136	24,661	5,076	—	29,702	—

*Stocks at processing mills. †Soybean meal, 44% protein, bulk Decatur. Cottonseed meal, 41% protein, bulk Memphis. Peanut Meal, 50% protein, southeast milling points. 0Less than 500 tons. **Forecast.
Source: Official Statistics; USDA, Agriculture, Stabilization & Conservation Service, Analysis Division.

WORLD MAJOR OILSEEDS:
SUPPLY AND UTILIZATION (Million Metric Tons)

	1986-87	1987-88	1988-89	1989-90*	1990-91†
PRODUCTION					
Soybean	98.10	103.66	95.55	106.78	104.53
Cottonseed	27.23	31.31	32.96	31.35	34.14
Peanut	20.38	20.86	23.18	21.90	21.40
Sunflowerseed	19.25	20.92	20.37	21.98	21.67
Rapeseed	19.55	23.44	22.71	21.89	24.93
Flaxseed	2.66	2.27	1.67	1.85	2.33
Copra	4.71	4.35	4.28	4.77	4.89
Palm Kernel	2.50	2.69	2.94	3.34	3.42
Total	194.39	209.49	203.67	213.86	217.31
EXPORTS					
Soybean	28.56	30.10	23.54	27.10	25.35
Cottonseed	0.24	0.32	0.26	0.27	0.31
Peanut	1.28	1.30	1.11	1.33	1.19
Sunflowerseed	1.81	2.22	1.85	1.76	1.62
Rapeseed	4.58	4.53	4.24	4.32	4.04
Flaxseed	0.79	0.69	0.52	0.57	0.64
Copra	0.32	0.26	0.30	0.31	0.31
Palm Kernel	0.12	0.12	0.16	0.08	0.06
Total	37.70	39.53	31.97	35.73	33.51
IMPORTS					
Soybean	29.21	29.11	23.73	26.73	25.91
Cottonseed	0.27	0.33	0.27	0.34	0.33
Peanut	1.27	1.25	1.22	1.26	1.25
Sunflowerseed	1.91	2.15	1.82	1.80	1.71
Rapeseed	4.93	4.35	4.49	4.64	4.43
Flaxseed	0.80	0.64	0.52	0.64	0.61
Copra	0.32	0.28	0.28	0.28	0.28
Palm Kernel	0.12	0.10	0.10	0.06	0.06
Total	38.82	38.19	32.42	35.78	34.59
CRUSH					
Soybean	85.46	85.16	81.09	87.33	87.52
Cottonseed	21.29	23.84	25.40	24.20	26.54
Peanut	10.89	10.88	12.87	11.87	11.34
Sunflowerseed	16.42	18.02	17.72	19.35	19.05
Rapeseed	18.43	21.00	20.59	20.89	23.30
Flaxseed	1.87	1.78	1.52	1.61	1.65
Copra	4.65	4.33	4.19	4.62	4.71
Palm Kernel	2.38	2.69	2.78	3.35	3.41
Total	161.39	167.70	166.16	173.23	177.51
ENDING STOCKS					
Soybean	19.59	19.75	17.85	20.16	20.66
Cottonseed	0.28	0.55	0.75	0.49	0.70
Peanut	0.67	0.71	0.64	0.54	0.45
Sunflowerseed	0.80	1.00	0.79	0.49	0.41
Rapeseed	1.04	1.25	1.71	1.21	1.12
Flaxseed	0.61	0.52	0.24	0.09	0.33
Copra	0.21	0.14	0.09	0.10	0.13
Palm Kernel	0.15	0.10	0.18	0.15	0.14
Total	23.34	24.01	22.25	23.23	23.94

Note: Totals may not add due to rounding. *Prelim. †Est., March 90/91. Source: Counselor and Attache Reports; Official Statistics USDA Estimates; USDA, Foreign Ag. Service, Oilseeds and Products Div.

WORLD MAJOR PROTEIN MEALS:
SUPPLY & UTILIZATION (Million Metric Tons)

	1986-87	1987-88	1988-89	1989-90*	1990-91†
PRODUCTION					
Soybean	67.21	67.55	63.89	69.61	69.21
Cottonseed	9.89	11.26	11.85	11.27	12.41
Rapeseed	11.12	12.72	12.45	12.67	14.03
Sunflowerseed	7.53	8.21	7.92	8.52	8.48
Fish	6.14	6.79	6.80	6.37	6.49
Peanut	4.41	4.43	5.25	4.84	4.61
Copra	1.72	1.55	1.50	1.65	1.68
Linseed	1.19	1.13	0.96	1.03	1.05
Palm Kernel	1.28	1.43	1.46	1.76	1.80
Total	110.49	115.06	112.08	117.72	119.76
EXPORTS					
Soybean	25.94	25.04	25.31	25.80	25.95
Cottonseed	0.83	1.11	1.36	1.12	1.38
Rapeseed	1.69	1.89	2.53	2.56	2.83
Sunflowerseed	1.50	1.62	1.91	1.96	1.88
Fish	3.20	3.22	3.72	3.16	3.15
Peanut	0.69	0.69	0.84	0.85	0.75
Copra	1.25	1.05	0.89	1.08	1.07
Linseed	0.60	0.55	0.48	0.49	0.48
Palm Kernel	0.98	1.07	1.19	1.30	1.47
Total	36.67	36.23	38.22	38.31	38.95
IMPORTS					
Soybean	26.63	25.81	26.78	27.13	26.44
Cottonseed	0.82	1.06	1.36	1.15	1.33
Rapeseed	2.23	1.98	2.39	2.30	2.34
Sunflowerseed	1.65	1.75	1.87	1.92	1.97
Fish	3.12	3.22	3.64	3.51	3.28
Peanut	0.71	0.75	0.88	0.99	0.99
Copra	1.25	1.10	0.85	0.92	0.94
Linseed	0.66	0.67	0.53	0.57	0.55
Palm Kernel	1.02	1.22	1.20	1.26	1.37
Total	38.10	37.55	39.51	39.75	39.20
CONSUMPTION					
Soybean	67.68	67.68	65.85	70.48	70.33
Cottonseed	10.05	11.20	11.77	11.38	12.31
Rapeseed	11.58	12.66	12.39	12.32	13.61
Sunflowerseed	7.65	8.38	7.80	8.47	8.60
Fish	6.29	6.50	6.96	6.77	6.66
Peanut	4.37	4.52	5.31	4.97	4.85
Copra	1.78	1.59	1.42	1.51	1.54
Linseed	1.26	1.26	1.01	1.10	1.12
Palm Kernel	1.27	1.54	1.50	1.59	1.72
Total	111.94	115.32	114.00	118.59	120.75
ENDING STOCKS					
Soybean	3.07	3.72	3.23	3.89	3.05
Cottonseed	0.19	0.20	0.28	0.21	0.25
Rapeseed	0.36	0.50	0.43	0.52	0.44
Sunflowerseed	0.21	0.17	0.25	0.26	0.24
Fish	0.49	0.78	0.54	0.49	0.45
Peanut	0.09	0.07	0.05	0.06	0.06
Copra	0.03	0.05	0.10	0.08	0.08
Linseed	0.03	0.02	0.02	0.02	0.02
Palm Kernel	0.13	0.16	0.14	0.26	0.27
Total	4.60	5.66	5.04	5.60	4.86

Totals are rounded. *Prelim. †Estimates, March 90/91. Source: Counselor and Attache Reports; Official Stats USDA Est.; USDA, Fgn. Ag. Service, Oilseeds and Products Div.

WORLD MAJOR VEGETABLE AND MARINE OILS: SUPPLY AND UTILIZATION
(Million Metric Tons)

	1986-87	1987-88	1988-89	1989-90*	1990-91†
PRODUCTION					
Soybean	15.20	15.24	14.56	15.89	15.78
Palm	7.96	8.36	9.57	10.92	11.09
Sunflowerseed	6.56	7.28	7.19	7.90	7.68
Rapeseed	6.85	7.75	7.65	7.73	8.68
Cottonseed	3.06	3.48	3.71	3.52	3.93
Peanut	3.10	3.10	3.68	3.41	3.23
Coconut	2.93	2.68	2.59	2.86	2.92
Olive	1.56	1.90	1.50	1.64	1.72
Fish	1.38	1.54	1.61	1.45	1.58
Palm Kernel	1.07	1.20	1.25	1.50	1.53
Linseed	0.64	0.62	0.52	0.56	0.56
Total	50.31	53.15	53.82	57.36	58.68
EXPORTS					
Soybean	3.90	3.84	3.79	3.93	3.61
Palm 1/	5.17	5.55	6.03	7.07	6.97
Sunflowerseed	1.79	2.18	2.30	2.26	2.06
Rapeseed	1.65	1.83	1.87	1.70	1.75
Cottonseed	0.24	0.39	0.36	0.39	0.39
Peanut	0.36	0.31	0.21	0.23	0.22
Coconut	1.49	1.38	1.21	1.60	1.48
Olive	0.55	0.46	0.44	0.51	0.49
Fish	0.76	0.76	1.11	0.88	0.98
Palm Kernel	0.69	0.74	0.85	0.93	0.97
Linseed	0.29	0.22	0.17	0.22	0.20
Total	16.87	17.66	18.34	19.17	19.12
IMPORTS					
Soybean	3.79	3.72	3.68	3.91	3.65
Palm 1/	5.07	5.68	6.07	6.84	6.71
Sunflowerseed	1.88	2.12	2.05	2.23	2.12
Rapeseed	1.40	1.51	1.54	1.45	1.38
Cottonseed	0.26	0.41	0.34	0.30	0.29
Peanut	0.33	0.36	0.34	0.34	0.31
Coconut	1.34	1.38	1.22	1.49	1.47
Olive	0.71	0.51	0.56	0.53	0.55
Fish	0.79	0.75	0.91	0.83	0.88
Palm Kernel	0.67	0.78	0.84	0.87	0.86
Linseed	0.27	0.22	0.20	0.19	0.20
Total	16.50	17.44	17.74	18.98	18.41
CONSUMPTION					
Soybean	14.76	15.02	14.89	15.83	15.86
Palm	7.94	8.34	9.12	10.55	10.86
Sunflowerseed	6.58	7.22	6.87	7.80	7.84
Rapeseed	6.55	7.27	7.31	7.54	8.36
Cottonseed	3.15	3.48	3.67	3.47	3.82
Peanut	3.08	3.17	3.79	3.53	3.33
Coconut	2.80	2.68	2.64	2.81	2.90
Olive	1.89	1.77	1.77	1.79	1.77
Fish	1.44	1.48	1.39	1.47	1.46
Palm Kernel	1.02	1.25	1.26	1.35	1.44
Linseed	0.61	0.62	0.54	0.54	0.56
Total	49.82	52.29	53.25	56.66	58.19
ENDING STOCKS					
Soybean	1.99	2.09	1.66	1.69	1.66
Palm	1.37	1.52	2.02	2.16	2.13
Sunflowerseed	0.59	0.59	0.66	0.73	0.62
Rapeseed	0.39	0.55	0.55	0.49	0.46
Cottonseed	0.12	0.14	0.15	0.11	0.12
Peanut	0.06	0.04	0.06	0.06	0.05
Coconut	0.38	0.38	0.33	0.28	0.27
Olive	0.66	0.84	0.70	0.57	0.57
Fish	0.24	0.29	0.31	0.24	0.25
Palm Kernel	0.16	0.16	0.14	0.23	0.21
Linseed	0.05	0.03	0.04	0.03	0.03
Total	6.00	6.64	6.60	6.58	6.37

Note: Totals may not add due to rounding. *Prelim. †Estimates, March 90/91. 1/ Palm oil trade excludes transhipments through Singapore. Source: Counselor and Attache Report; Official Statistics USDA Estimates; USDA, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. SOYBEAN OIL UTILIZATION
1960 - 1990 (Million Pounds)

Year Beginning October	Food					Nonfood					Total Domestic Utilization
	Shortening	Margarine	Cooking and Salad Oils*	Other Edible	Total	Paint and Varnish	Resins and Plastics	Fatty Acids	Other Inedible†	Total	
1960	1,097	1,073	793	26	2,989	96	64	6	34	201	3,190
1965	1,739	1,241	1,200	38	4,218	100	104	—	59	263	4,481
1970	2,077	1,381	2,288	34	5,780	82	65	3	55	205	5,985
1975	2,416	1,691	3,274	24	7,405	94	66	23	24	207	7,612
1976	2,189	1,568	3,221	25	7,003	85	83	26	36	230	7,233
1977	2,433	1,592	3,808	29	7,862	87	79	42	33	241	8,103
1978	1,653	1,651	3,956	38	8,298	75	88	35	46	244	8,542
1979	2,658	1,648	4,153	35	8,493	52	80	21	52	205	8,698
1980	2,675	1,866	4,226	43	8,610	46	71	23	63	202	8,812
1981	2,990	1,723	4,367	51	9,131	39	94	22	49	203	9,334
1982	2,944	1,615	4,668	58	9,284	38	96	16	55	205	9,489
1983	3,207	1,494	4,442	102	9,245	39	110	21	61	231	9,476
1984	3,655	1,589	4,800	129	10,172	52	92	29	78	251	10,423
1985	3,440	1,735	4,686	138	10,004	45	100	27	80	252	10,256
1986	3,359	1,661	5,054	138	10,213	63	109	33	94	299	10,512
1987	3,627	1,629	5,043	130	10,429	54	106	D	75	285	10,714
1988	3,419	1,537	4,497	137	9,636	35	124	D	70	281	13,999
1990	3,934	1,754	4,725	124	10,537	38	112	D	D	272	10,809

*Adjusted for exports of refined and further processed salad oil. Prior to January 1965 no adjustment made for exports of undeodorized hydrogenated oil. †Includes soap and miscellaneous. (D) Data withheld to avoid disclosing figures for individual companies. Source: FATS & OILS, PRODUCTION, CONSUMPTION & STOCKS (89/90), Bureau of Census.

U.S. SOYBEAN OIL: SUPPLY, DISPOSITION AND PRICE
1960 - 1990

Year Beginning Oct. 1	Supply				Disappearance			Price Per Pound (Tank Cars) Crude, Decatur (Cents)
	Production	Imports	Stocks October,1	TOTAL	Exports	Domestic	TOTAL	
	(Million Pounds)				(Million Pounds)			
1960	4,420	—	308	5,456	700 †	3,329	4,029	11.3
1965	5,800	—	297	6,097	923	4,687	5,635	11.8
1970	8,265	—	543	8,808	1,742	6,292	8,035	12.8
1975	9,630	—	561	10,191	976	7,906	8,940	18.3
1976	8,578	—	1,251	9,828	1,547	7,454	9,061	23.9
1977	10,288	—	771	11,059	2,057	8,273	10,410	24.6
1978	11,323	—	729	12,052	2,334	8,942	11,353	27.2
1979	12,105	—	776	12,881	2,690	8,981	11,722	24.3
1980	11,270	—	1,210	12,480	1,631	9,113	10,744	22.7
1981	10,979	—	1,736	12,715	2,077	9,535	11,612	19.0
1982	12,040	—	1,103	13,143	2,025	9,857	11,882	20.6
1983	10,872	—	1,261	12,133	1,824	9,588	11,412	30.6
1984	11,468	20	721	12,209	1,660	9,917	11,577	29.5
1985	11,617	8	632	12,257	1,257	10,053	11,310	18.0
1986	12,783	15	947	13,745	1,187	10,833	12,020	15.4
1987	12,974	196	1,725	14,895	1,873	10,930	12,803	22.7
1988	11,737	138	2,092	13,967	1,661	10,591	12,252	21.1
1989	13,004	22	1,715	14,741	1,353	12,083	13,436	22.3
1990◊	13,025	20	1,305	14,350	775	12,100	12,875	21.0-22.5

†Includes estimates of foreign donations of fats and oils, not reported by census, 1960-64. ◊Forecast. Source: Official Statistics; OIL CROPS SITUATION & OUTLOOK REPORT, (Apr. 91), USDA, Economic Research Service.

U.S. EDIBLE FATS AND OILS: SUPPLY AND DISAPPEARANCE
1983 - 1990 (Million Pounds)

	1983	1984	1985	1986	1987	1988	1989	1990*
Stocks October 1								
Coconut	145	111	130	308	271	333	152	279
Corn	90	70	74	121	109	111	99	127
Cottonseed	90	50	107	85	90	160	147	80
Lard	40	30	41	22	29	39	42	22
Palm	69	51	53	74	40	59	37	29
Palm kernel	29	23	42	71	86	82	86	110
Peanut 1/	32	32	18	62	49	24	38	24
Soybean	1,261	721	632	947	1,725	2,092	1,715	1,305
Sunflower	95	13	66	55	112	157	82	37
Rapeseed	0	0	0	0	0	0	0	7
Tallow, edible	49	28	62	41	35	57	36	33
Imports								
Coconut	916	890	1,217	1,087	1,073	778	1,038	970
Cottonseed	18	0	0	11	25	0	13	5
Palm	371	372	611	474	362	298	249	275
Palm kernel	179	304	361	397	463	384	370	330
Peanut	2	2	1	2	33	2	5	2
Rapeseed	0	0	0	0	0	467	421	575
Soybean	0	20	10	15	196	138	22	20
Sunflowerseed	0	0	0	0	4	0	29	18
Production								
Corn	1,054	1,194	1,253	1,400	1,435	1,415	1,459	1,600
Cottonseed	777	1,175	1,070	781	1,204	1,243	1,039	1,190
Lard	959	940	899	853	916	940	880	860
Peanut	119	187	257	152	168	250	193	209
Rapeseed	0	0	0	0	0	31	108	55
Soybean	10,872	11,448	11,607	12,783	12,974	11,737	13,004	13,025
Sunflower	449	482	584	587	831	518	474	529
Tallow, edible	1,347	1,570	1,625	1,278	1,300	1,201	1,193	1,200
Exports								
Coconut	37	20	22	48	77	55	44	55
Corn	311	260	344	268	370	356	414	500
Cottonseed	303	433	442	214	409	406	354	310
Lard 2/	78	102	108	103	119	126	83	84
Palm	0	0	0	0	0	4	4	4
Palm kernel	29	0	0	0	0	4	4	4
Peanut	7	29	93	6	7	11	19	10
Soybean	1,824	1,660	1,257	1,187	1,873	1,661	1,353	775
Sunflower	414	286	452	344	703	467	351	331
Tallow, edible 2/	59	80	44	41	94	240	320	250
Domestic disappearance								
Coconut	914	815	1,019	1,076	935	904	866	935
Corn	762	930	863	1,143	1,065	1,073	1,017	1,100
Cottonseed	532	684	650	573	750	850	765	875
Lard	891	828	810	744	787	811	817	776
Palm	360	370	590	507	342	315	254	270
Palm kernel	185	284	332	381	467	375	342	360
Peanut	113	174	121	161	219	227	193	200
Rapeseed	0	0	0	0	0	498	522	625
Soybean	9,588	9,917	10,055	10,833	10,930	10,591	12,083	12,100
Sunflower	117	143	143	186	88	126	197	187
Tallow, edible	1,308	1,456	1,595	1,243	1,184	981	876	950

*Forecast. 1/August-July year beginning 1981. 2/Exports are exports net of imports. Source: Census Bureau.

U.S. SOYBEAN EXPORTS BY MONTH
(MILLION BUSHELS)
1953/54 - 1990/91

Year Beg. Sept.1	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	TOTAL
1953-54	1.1	5.8	10.1	7.7	3.7	2.5	1.7	3.2	1.6	1.0	1.0	0.7	40.1
1955-56	4.0	8.8	13.2	12.7	6.8	2.6	1.9	5.1	4.3	3.7	3.7	1.7	68.5
1960-61	8.2	14.1	22.7	20.6	9.1	10.2	8.5	7.7	11.4	7.7	7.7	7.0	134.9
1965-66	4.8	32.3	39.4	31.4	19.6	17.1	21.6	20.2	21.5	19.6	12.1	11.1	250.7
1970-71	29.9	44.0	45.3	46.9	35.1	33.0	35.1	32.8	30.2	34.9	34.4	31.3	432.9
1971-72	29.2	29.4	47.4	50.3	42.4	35.5	31.3	37.3	31.7	31.1	26.3	24.9	416.8
1972-73	15.0	54.3	61.2	49.1	47.7	54.7	59.1	45.5	41.0	26.5	14.2	11.0	479.3
1973-74	7.5	46.6	74.4	58.0	48.3	56.4	57.9	62.0	43.5	36.1	27.1	21.2	539.0
1974-75	22.9	32.2	63.2	41.4	50.0	33.3	38.4	35.8	25.1	14.0	31.0	33.4	420.7
1975-76	24.3	62.7	61.5	49.6	51.8	52.2	52.3	50.5	49.5	47.2	29.2	24.3	555.1
1976-77	22.2	60.1	67.4	56.7	50.9	59.9	58.4	57.0	55.1	31.0	27.2	18.1	564.0
1977-78	15.0	77.6	87.7	57.0	52.6	54.4	66.6	72.7	79.3	63.4	34.7	39.3	700.3
1978-79	38.0	87.5	101.7	70.6	77.0	53.2	83.6	67.8	47.0	41.0	32.7	39.7	739.8
1979-80	40.8	88.8	118.1	78.3	85.8	73.0	69.3	81.3	74.2	58.7	49.1	57.7	875.1
1980-81	41.4	60.3	75.0	74.5	71.7	55.5	103.2	60.0	69.6	41.8	29.6	41.8	724.4
1981-82	50.9	100.8	103.7	73.6	84.3	89.4	79.0	85.7	90.6	59.8	53.8	57.5	929.1
1982-83	58.0	94.4	93.6	90.1	86.3	87.2	84.4	73.3	58.5	67.7	51.6	60.2	905.3
1983-84	53.9	67.6	69.2	74.5	80.4	79.7	78.8	68.5	56.8	41.1	39.2	30.7	740.4
1984-85	19.0	40.9	93.5	84.8	70.3	72.6	59.8	60.4	33.1	18.2	19.2	26.3	598.1
1985-86	31.5	55.3	79.6	94.1	84.7	92.1	88.7	80.4	57.2	28.7	26.6	21.0	739.9
1986-87	30.2	89.7	96.6	89.0	71.6	73.8	67.8	54.0	37.5	38.0	54.2	54.5	756.9
1987-88	59.4	101.1	100.4	81.1	80.8	97.0	78.5	66.7	39.7	29.3	30.4	37.2	801.6
1988-89	26.8	50.2	61.2	69.2	66.6	56.8	67.9	41.3	23.6	31.6	16.7	18.5	530.6
1989-90	17.8	74.0	76.6	65.7	76.2	74.9	87.3	43.5	22.8	35.1	20.7	28.2	626.3
1990-91	27.8	29.7	62.7	55.8◊									

◊ Preliminary. Figures may be adjusted in the future. Source: Official Statistics; OIL CROPS SITUATION AND OUTLOOK REPORT (Apr. 91); USDA, Economic Research Service.

BRAZILIAN EXPORTS SOYBEANS AND PRODUCTS TO MAJOR COUNTRIES
(Thousand Metric Tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Soybeans											
European Community◊	574	185	18	416	656	2,262	1,001	2,354	1,992	4,304	3,681
Other Western Europe	770	530	27	536	529	709	5	49	53	98	29
Eastern Europe*	118	497	255	128	0	72	56	286	10	47	80
Central & So. America	45	224	187	121	354	78	10	5	4	0	0
Other	42	14	14	94	22	371	128	330	538	1,037	973
Total	1,549	1,450	501	1,295	1,561	3,492	1,200	3,024	2,597	5,486	4,764
Soybean Meal											
European Community◊	4,325	5,285	4,347	4,711	4,141	6,283	5,260	3,952	5,689	7,093	7,382
Other Western Europe	141	67	86	364	564	785	8	0	12	7	20
Asia	754	911	891	777	455	290	409	121	58	107	54
Eastern Europe†	1,333	2,482	2,306	2,482	2,322	1,090	1,192	2,933	1,782	1,638	1,198
Other	29	144	170	162	116	152	94	796	588	774	303
Total	6,582	8,889	7,800	8,496	7,598	8,600	6,963	7,802	8,129	9,619	8,957
Soybean Oil											
Bangladesh	12	7	0	0	3	3	13	14	15	62	55
Chile	10	18	18	54	70	66	2	2	3	2	1
Colombia	0	39	11	22	3	0	0	0	0	0	0
India	250	561	320	466	397	311	99	254	59	0	2
Iran	218	228	257	248	188	200	94	319	189	221	178
Morocco	0	12	36	19	10	16	3	11	6	21	6
Netherlands	35	55	10	64	27	31	9	22	54	—	16
Pakistan	61	53	32	37	50	0	—	9	0	0	0
People's Rep. of China	21	24	25	0	0	0	89	149	96	267	337
Peru	4	21	9	0	2	—	0	0	0	0	0
Tunisia	3	—	0	0	4	8	0	0	0	0	0
Turkey	0	0	3	6	0	8	7	7	3	5	8
USSR	32	75	74	54	73	153	20	60	2	53	43
Other	98	188	54	99	101	158	60	142	252	188	154
Total	744	1,281	849	1,071	928	954	396	989	679	819	799

◊As of 1989 all of Germany's figures are included in the EC. *Includes soybean exports to the Soviet Union. †Includes soybean meal exports to the Soviet Union. — Less than 500 MT. Source: Official Stats; USDA Fgn. Ag. Service, Oilseeds and Products Div.

U.S. EXPORTS: SOYBEANS

Volume of Exports by Country of Destination (in Metric Tons) and Total Value

Country or Region of Destination	1986	1987	1988	1989	1990*
North America:					
Canada	167,399	195,927	105,248	144,823	283,451
Mexico	823,086	1,042,633	1,215,887	974,076	834,074
Other	133,136	221,161	154,596	299,961	267,172
Total	1,123,621	1,459,721	1,475,731	1,418,860	1,384,697
South America:					
Brazil	325,118	450,198	31,501	62,999	0
Colombia	2,713	198,574	196,056	49,196	0
Equador	0	0	0	77	61
Peru	15,750	5,250	21,011	0	0
Venezuela	159,733	235,034	124,977	74,194	71,154
Other	245	0	5,085	18	18
Total	503,559	889,056	378,630	186,484	71,233
Europe & USSR:					
Belgium & Luxembourg	960,308	886,196	583,580	638,300	463,061
Czechoslovakia	0	0	0	0	0
Denmark	57,131	55,076	44,638	52,940	42,694
France	438,614	421,308	226,716	165,261	133,843
Germany, Fed. Rep. of	1,165,795	1,438,472	1,014,662	698,633	843,246
Germany, Dem. R.	12,216	0	0	0	0
Greece	207,004	215,722	226,610	146,870	308,083
Ireland	3,992	4,010	0	0	0
Italy	743,052	396,230	115,658	199,293	183,736
Netherlands	3,427,609	3,971,006	3,439,720	2,584,308	2,322,416
Norway	226,957	202,742	148,831	149,378	152,690
Poland	0	0	0	0	0
Portugal	537,822	611,395	356,856	314,916	369,723
Romania	238,904	407,916	237,923	0	356,794
USSR	1,518,594	221,334	750,276	296,576	274,432
Spain	1,783,812	1,724,804	1,153,273	1,350,229	1,295,443
Switzerland	6,236	4,762	2,098	18,623	286
United Kingdom	474,046	390,090	509,729	286,269	410,401
Yugoslavia	178,503	139,305	194,652	75,544	105,436
Other	50,300	45,117	85,570	35,092	22,932
Total	12,030,895	11,135,485	9,090,792	7,012,232	7,285,216
Middle East:	410,467	459,354	458,526	318,236	366,498
Africa	162,521	91,267	67,671	51,469	24,785
Asia					
China:					
P.R.C.	124,495	429,123	0	0	0
Taiwan	1,735,037	1,871,800	1,794,231	1,683,382	1,715,992
India	0	0	25,000	0	996
Indonesia	52,828	125,888	207,650	140,027	60,295
Japan	4,225,283	3,928,901	3,707,693	3,284,651	3,475,486
Korea, Rep. of	1,012,712	1,139,543	1,012,575	828,457	825,696
Pakistan	0	0	0	0	0
Other	14,275	30,659	47,439	104,487	73,381
Total	7,164,630	7,525,914	6,794,583	6,041,004	6,151,846
Australia & Oceania:	10	31,645	62,971	14,694	66,691
Other Unidentified:	0	0	0	0	0
GRAND TOTAL† VALUE OF EXPORTS; Total (Mil. $)	21,395,703 4,326	21,592,442 4,378	18,328,909 4,920	15,042,979 3,942	15,350,966

*Prelim. †Includes Canadian transshipments. Source: Census Bureau; Foreign Ag. Trade of the U.S., by the Commodity & Trade Analysis Branch, E.R.S., Commodity Economics Div.

U.S. SOYBEAN EXPORTS BY PORT AND COUNTRY OF DESTINATION

January 1990 - December 1990 (1,000 Bushels)

Country	St. Lawrence Seaway	Lakes	Atlantic	Gulf	Pacific	Interior	TOTAL
Australia	—	—	—	1,646	802	—	2,448
Belgium	—	1,293	—	17,712	—	—	19,005
Brazil	—	—	—	—	—	—	0
Bulgaria	—	—	—	830	—	—	830
China (Taiwan)	—	—	—	41,720	28,260	—	69,980
Columbia	—	—	—	—	—	—	0
Costa Rica	—	—	—	2,854	—	—	2,854
Denmark	—	—	810	758	—	—	1,568
Dominican Republic	—	—	—	823	—	—	823
Egypt	—	—	—	906	—	—	906
France	—	262	1,273	2,171	—	—	3,706
Germany (Fed. Rep., W)	—	—	—	14,458	—	—	14,458
Germany	—	—	—	12,224	—	—	12,224
Greece	—	—	3,113	8,045	—	—	11,158
Honduras	—	—	—	235	—	—	235
Indonesia	—	—	—	1,213	1,003	—	2,216
Israel	—	—	—	13,888	—	—	13,888
Italy	—	—	—	8,323	—	—	8,323
Jamaica	—	—	200	1,888	—	—	2,088
Japan	565	1,242	21,613	100,689	1,450	11	125,570
Korea (Republic of, S)	—	—	—	26,491	3,971	—	30,462
Kuwait	—	—	—	—	—	—	0
Malaysia	—	—	—	—	2,636	—	2,636
Mexico	—	—	—	13,966	—	19,529	33,495
Morocco	—	—	—	—	—	—	0
Netherlands	—	1,881	2,156	86,142	—	—	90,179
Norway	—	—	—	5,611	—	—	5,611
Panama	—	—	31	60	—	—	91
Philippines	—	—	—	—	386	—	386
Portugal	—	2,212	2,450	9,310	—	—	13,972
Romania	—	—	—	13,110	—	—	13,110
Singapore	—	—	—	—	—	—	825
Spain	—	1,377	13,987	31,314	—	—	46,678
Trinidad	—	—	—	3,729	—	—	3,729
Turkey	—	—	—	—	—	—	0
United Kingdom	—	366	1,213	13,645	—	—	15,224
U.S.S.R.	—	—	—	10,084	—	—	10,084
Venezuela	—	—	—	2,614	—	—	2,614
Yugoslavia	—	—	606	3,478	—	—	4,084
Totals:							
Jan. 90-Dec. 90	565	8,633	47,452	449,937	38,508	19,540	564,635
Jan. 89-Dec. 89	5,510	17,441	41,746	435,167	41,623	22,160	563,647
Sep. 87-Aug. 88	0	34,928	34,756	675,014	31,640	21,990	798,328
Sep. 86-Aug. 87	4,574	37,194	23,039	658,916	18,248	23,361	765,332
Sep. 85-Aug. 86	4,757	20,980	63,212	613,808	18,807	16,699	738,263
Sep. 84-Aug. 85	5,878	21,984	65,748	453,753	23,859	23,647	594,869
*Shipments to Canada	0	0	0	0	0	0	4,148

*Not included in total. Grain shipped for storage in Canada is reported at time of shipment from St. Lawrence Seaway ports. Source: LIVESTOCK & GRAIN MARKET NEWS (Mar. 1991), USDA, Agriculture Marketing Service, Livestock & Seed Div.

U.S. EXPORTS: SOYBEAN OIL†
Volume of Exports by Country of Destination (in Metric Tons) and Total Value

Country or Region of Destination	1986	1987	1988	1989	1990*
North America:					
Canada	6,710	6,095	6,741	6,117	4,291
Mexico	38,333	20,756	16,402	14,058	2,657
Other	53,780	84,418	37,844	63,058	24,205
Total	98,823	111,269	60,9[illegible]	83,233	31,153
South America:					
Brazil	0	0	[illegible]	179	0
Colombia	7,200	373	10	204	395
Equador	10,304	18,868	29,835	30,557	22,648
Peru	1,644	909	2,491	1,820	6,146
Venezuela	16,846	15,121	5,702	33,252	2,999
Other	2,154	2,791	2,514	1,357	666
Total	38,148	38,062	40,552	67,369	32,854
Europe & USSR:					
Belgium & Luxembourg	0	0	0	0	0
Czechoslovakia	0	0	0	0	0
Denmark	0	2	0	0	0
France	0	168	84	0	0
Germany, Fed. Rep. of	1	178	719	34	0
Germany, Dem. R.	0	0	0	0	0
Greece	0	0	0	0	0
Ireland	0	0	0	0	2
Italy	0	0	18	104	0
Netherlands	0	1,490	3	1,030	0
Norway	0	0	41	0	3
Poland	4,230	1,230	0	0	0
Portugal	0	0	0	0	0
Romania	0	0	0	0	0
USSR	0	0	0	0	0
Spain	0	32	0	0	148
Switzerland	2	0	0	0	0
United Kingdom	68	71	469	0	0
Yugoslavia	0	0	0	0	0
Other	15	12	28	10	18
Total	4,316	3,183	1,362	1,178	171
Middle East:	1,012	6,406	17,556	2,799	7,104
Africa	68,019	139,997	157,406	184,589	104,695
Asia					
China:					
P.R.C.	0	0	0	0	0
Taiwan	52	20	44	75	0
India	36,495	59,340	147,987	18,000	16,262
Indonesia	365	134	123	64	67
Japan	724	924	465	595	349
Korea, Rep. of	142	21	25	56	5
Pakistan	261,174	236,675	425,350	337,128	329,926
Other	30,431	33,725	23,587	5,284	13,504
Total	329,383	330,839	597,581	361,202	360,477
Australia & Oceania:	755	209	48	72	9
GRAND TOTAL	540,456	629,965	875,492	700,442	536,463
VALUE OF EXPORTS;					
Total (Mil. $)	253	263	477	359	313

†Crude and refined oil combined as such, excluding partially hydrogenated soybean salad oil. Includes shipments under P.L. 480 as reported by census. *Prelim. Source: Census Bureau; Fgn. Ag. Trade of the U.S., by the Commodity & Trade Analysis Branch, USDA, E.R.S., Commodity Econs. Div.

U.S. EXPORTS: SOYBEAN OILSEED CAKE & MEAL†
Volume of Exports by Country of Destination (in Metric Tons) and Total Value

Country or Region of Destination	1986	1987	1988	1989	1990*
North America:					
Canada	678,097	745,621	706,539	571,214	555,303
Mexico	108,008	50,561	332,299	269,452	250,350
Other	214,180	263,284	298,268	237,070	279,042
Total	1,000,285	1,059,466	1,337,1[illegible]	1,077,736	1,084,695
South America:					
Brazil	0	0	0	0	0
Colombia	0	0	10,456	0	0
Equador	0	0	0	0	0
Peru	51,321	63,655	58,110	0	30,893
Venezuela	446,561	695,475	851,346	283,783	328,486
Other	10,711	3,263	240	560	2,176
Total	508,593	762,393	920,152	284,343	361,555
Europe & USSR:					
Belgium & Luxembourg	0	44,128	0	0	0
Czechoslovakia	0	0	0	0	0
Denmark	9,944	5,124	0	0	0
France	37,235	40,985	23,845	0	0
Germany, Fed. Rep. of	484,259	711,206	169,420	0	0
Germany, Dem. R.	116,447	26,249	0	0	0
Greece	14,972	19,131	0	41,721	6,150
Ireland	19,910	28,221	29,563	5,696	7,510
Italy	878,163	726,768	543,572	174,435	123,540
Netherlands	1,146,444	764,009	508,523	113,589	41,052
Norway	0	0	0	0	0
Poland	0	26,907	0	0	48,500
Portugal	22,997	35,167	14,269	0	9,445
Romania	26,249	10,997	19,800	0	0
USSR	0	270,881	1,121,971	1,417,887	1,568,409
Spain	117,009	98,311	71,193	44,187	6,895
Switzerland	0	0	0	0	0
United Kingdom	67,358	83,556	29,633	20,569	31,933
Yugoslavia	118,436	96,996	93,229	33,293	41,009
Other	104,851	71,923	32,709	0	0
Total	3,164,274	3,060,559	2,657,727	1,851,377	1,884,443
Middle East:	369,692	438,458	548,674	547,317	409,751
Africa	397,301	394,112	629,370	564,682	561,602
Asia					
China:					
P.R.C.	0	3,456	0	26,248	0
Taiwan	0	0	84	83,407	0
India	0	0	0	0	0
Indonesia	206,640	0	0	0	0
Japan	52,518	21,109	32,986	10,845	20,804
Korea, Rep. of	21,997	48,193	0	0	0
Pakistan	0	0	1,067	3,998	0
Other	199,659	96,265	110,567	59,071	203,203
Total	480,814	169,023	144,704	183,569	224,007
Australia & Oceania:	39,380	37,191	44,674	20,221	43,485
GRAND TOTAL	5,960,339	5,921,202	6,282,407	4,529,245	4,569,538
VALUE OF EXPORTS;					
Total (Mil. $)	1,229	1,211	1,580	1,181	980

†Includes soybean flour and meal. *Prelim. Source: Census Bureau; Fgn. Ag. Trade of the U.S., Commodity & Trade Analysis Branch, E.R.S., Commodity Economics Div.

U.S. EXPORTS: SOYBEAN OIL

P.L. 480, Title I and III

Volume (in Metric Tons) and Value (in $1,000) By Country of Destination

Country	FY 1986		FY 1987		FY 1988		FY 1989		FY 1990	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Bangladesh	25,000	$10,000	27,700	$10,000	17,200	$10,000	—	—	8,600	$5,000
Costa Rica	—	—	—	—	—	—	—	—	—	—
Dominican Rep.	17,500	5,800	57,700	20,100	—	—	12,000	5,400	31,800	14,600
Egypt	—	—	—	—	—	—	34,300	17,000	—	—
El Salvador	25,600	11,500	3,500	1,700	—	—	20,900	11,000	18,200	11,000
Ghana	—	—	—	—	—	—	4,800	3,500	—	—
Guatemala	12,600	5,000	6,800	2,500	—	—	—	—	—	—
Guinea	—	—	—	—	—	—	—	—	—	—
Guyana	—	—	1,100	700	—	—	—	—	—	—
Haiti	12,100	5,000	9,200	4,000	—	—	—	—	—	—
Jamaica	—	—	700	400	—	—	—	—	—	—
Madagascar	7,000	4,000	12,400	6,000	—	—	—	—	—	—
Maldives	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	56,800	21,000	27,000	16,000	46,200	25,000	40,000	23,000
Pakistan	126,400	50,000	137,600	50,000	137,800	80,000	156,300	80,000	134,500	80,000
Peru	—	—	—	—	—	—	—	—	—	—
Somalia	13,900	7,700	—	—	—	—	—	—	—	—
Tunisia	—	—	—	—	—	—	—	—	—	—
Zambia	12,900	5,000	—	—	6,800	4,000	7,900	4,000	8,200	4,000
Total	253,000	$104,000	313,500	$116,400	188,800	$110,000	282,400	$145,900	241,300	$137,600

Source: Bureau of the Census; U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. EXPORTS SOYBEAN and COTTONSEED OILS

U.S. Commercial and P.L. 480 Exports

1950 - 1990 (Million Pounds)

Year Beg. Oct.	Commercial				P.L. 480			GRAND TOTAL	% P.L. 480
	Barter	CCC Credit	Other†	Total	Title I*	Title II*	Total		
				SOYBEAN OIL					
1950	—	—	490	490	—	—	—	490	—
1955	—	—	274	274	282	—	282	556	51
1960	—	—	283	283	417	21	438	721	61
1965	176	21	182	379	324	220	544	923	59
1970	599	209	131	939	564	239	803	1,742	46
1975	—	—	779	779	182	15	197	976	20
1980	—	185	850	1,035	299	297	596	1,631	37
1985	—	231	546	777	253	227	480	1,257	29
1986	—	390	84	474	558	225	783	1,257	62
1987	—	126	226	352	692	143	835	1,187	70
1988	—	778	499	1277	414	183	597	1,874	32
1989	—	763	27	790	622	249	871	1,661	52
1990	—	557	38	595	492	267	759	1,354	56
				COTTONSEED OIL					
1950	—	—	57	57	—	—	—	57	—
1955	3	—	306	309	290	6	296	605	49
1960	—	—	287	287	68	14	82	369	22
1965	51	—	154	205	65	2	67	272	25
1970	186	22	153	361	9	1	10	371	3
1975	—	—	507	507	—	—	—	507	—
1980	—	—	702	702	8	—	8	710	1
1985	—	—	395	395	47	—	47	442	11
1986	—	—	340	340	104	—	104	444	23
1987	—	5	180	185	31	—	31	216	14
1988	—	2	304	306	103	—	103	409	25
1989	—	69	223	292	115	—	115	407	28
1990	—	13	301	314	40	—	40	354	11

†Includes dollar financing by AID. *Includes all sales programs, i.e., fgn. currencies, relief agencies and disaster and other relief by AID. Source: Total exports as reported by Census Bureau. Breakdown between dollars and P.L. 480 from USDA, Fgn. Ag. Service, Oilseeds and Products Div.

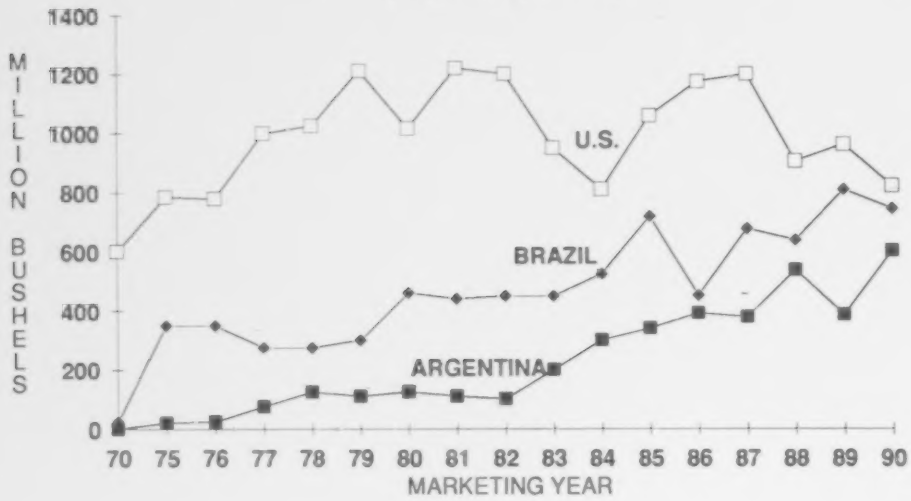
U.S. EXPORTS
SOYBEAN, COTTONSEED AND SUNFLOWERSEED OILS

U.S. Commercial and P.L. 480 Exports
Volume of Exports by Country of Destination and Total Value
(Year Beginning in October)

Country or Region of Destination	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
			(Thousand Metric Tons)			
North America:						
Canada	24	15	15	16	19	25
Mexico	92	190	50	56	63	28
Total	116	205	65	72	82	53
Caribbean:						
Haiti	17	9	15	3	3	2
Dominican Republic	53	18	54	39	15	38
Other	15	5	9	5	8	6
Total	85	32	78	47	26	46
Central America:						
Guatemala	28	21	32	13	11	2
El Salvador	19	32	18	34	24	29
Panama	9	3	3	4	7	3
Other	10	7	1	3	2	9
Total	66	63	54	52	44	43
South America:						
Columbia	22	9	2	—	—	2
Venezuela	175	115	108	79	100	39
Ecuador	45	31	22	19	31	26
Peru	12	9	1	1	3	5
Others	35	2	2	3	1	1
Total	289	166	135	103	135	73
European Community:	18	18	7	33	14	55
Other Western Europe:	—	4	1	9	—	—
East Europe & USSR:						
Poland	6	3	3	0	0	0
Soviet Union	8	0	0	0	0	0
Yugoslavia	—	9	0	0	0	0
Total	14	12	3	0	0	0
Middle East:	10	19	49	111	21	25
North Africa:						
Morocco	4	4	60	36	80	78
Algeria	—	—	0	71	54	35
Tunisia	0	0	0	62	12	48
Egypt	65	43	2	54	89	7
Total	69	47	62	223	235	168
Other Africa:	110	60	63	64	45	40
South Asia:						
India	62	38	47	172	28	16
Pakistan	168	275	147	397	453	310
Bangladesh	14	14	37	17	0	9
Other	1	5	0	0	0	0
Total	245	328	231	586	481	335
Other Asia:						
Thailand	9	4	1	—	1	4
Singapore	—	—	—	0	—	0
Philippines	3	3	6	7	4	2
China, P.R.C.	—	—	—	0	—	0
Korea	3	4	6	12	20	32
Japan	35	35	30	36	42	55
Other	5	—	1	0	—	0
Total	55	46	44	55	67	93
Australia & Oceania:	2	1	—	—	—	1
GRAND TOTAL	1,079	976	792	1,354	1,150	933
Total Soybean Oil Exports	753	570	538	850	754	614
P.L. 480 Title I	175	253	314	189	282	223
P.L. 480 Title II	124	102	65	83	113	121
Commercial, including CCC programs	454	215	159	578	359	270
Value of Soybean Oil Exports						
Total (Thousand $)	$558,195	$291,755	$222,947	$436,813	$404,369	$339,002
Per Pound (cents)	34	23	19	23	24	25
Total Cottonseed Oil Exports	196	201	98	185	184	180
P.L. 480 Title I	23	47	14	47	52	18
Value of Cottonseed Oil Exports						
Total (Thousand $)	$137,517	$108,327	$47,204	$94,587	$93,573	$77,693
Per Pound (cents)	32	24	22	23	23	22
Total Sunflowerseed Oil Exports	192	205	156	319	212	159
P.L. 480 Title I	6	7	4	64	3	0
Value of Sunflowerseed Oil Exports						
Total (Thousand $)	$89,038	$109,552	$67,093	$145,914	$107,848	$86,837
Per Pound (cents)	31	24	20	21	23	24

Note: Figures may not total due to rounding. (—) denotes less than 500 metric tons. All figures rounded to nearest 1,000 metric tons. Source: U.S. Bureau of Census, USDA Fgn. Ag. Service, Oilseeds and Products Div.

SOYBEAN & PRODUCT EXPORTS BY MAJOR COUNTRIES
(Soybean Equivalent)



SHARE OF WORLD SOYBEAN & PRODUCT EXPORTS

— Notes / Calculations —

Soya Reference

Soya Glossary 228

Standards & Specifications

National Oilseed Processors Association (NOPA) Trading Rules For The Purchase And Sale Of Soybean Meal, 1990-1991 231

National Oilseed Processors Association (NOPA) Trading Rules For The Purchase And Sale Of Soybean Oil, 1990-1991 231

Association of American Feed Control Officials, Inc. (AAFCO) Official And Tentative Defination Of Feed Ingredients 234

United States Department of Agriculture United States Standards for Grain 1990 236

Soya Technical Charts & Tables

Soya Processing 239

Soya Products 240

Modern Soyfoods 241

Traditional Soyfoods 242

Soyfoods — Composition and Nutrient Content 243

Soya Glossary

Acidulated Soybean Soapstock - The product that results from the complete acidulation of soybean soapstock. Contract grade should contain not less than 85% total fatty acid.

Amino Acids - Chief components and determinants of the characteristics of a protein; the building blocks of living tissues. Eighteen different amino acids commonly occur in our food supply and eight are considered essential because the body cannot make them.

Break Material - Flocculent material (precipitate) that appears in and can be separated from crude soy oil that has been rapidly heated to temperatures between 250°C and 300°C (482°F and 572°F). It is very high in ash content, rich in phosphorus, calcium and magnesium. It is presumed to be derived from phospholipids which are thermally decomposed at these high temperatures. Break material is sometimes referred to as "foots".

Cold Pressed Soy Oil - Soy oil produced from undamaged, mature, cleaned yellow soybeans by mechanical processing without application of heat, and then filtered. Such oil is usually sold in health food stores.

Crude Soy Oil - Sometimes referred to as crude raw soybean oil; the unrefined oil produced by any one of the procedures described for the extraction of oil from soybeans. It is customary to filter the oil and/or allow it to settle after being processed from the soybeans as required by the standard trade specifications. Crude soy oil is a mixture of triglycerides composed of unsaturated fatty acids (oleic, linoleic, linolenic) and saturated fatty acids, together with usually not more than 1.5% of free fatty acids and from 1.8% to 3.2% of phospholipids, depending on the quality and kind of soybeans and the procedure used in processing.

Defatted Soy Flour - Flour produced by the nearly complete removal of the oil from soybeans by the use of hexane or other homologous hydrocarbon solvents; usually contains about 1% fat.

Degummed Soy Oil - Sometimes referred to as crude degummed soy oil; The product resulting from washing crude soy oil with water and/or steam or another degumming agent for a specified period of time and then separating the oil-and-water mixture, usually by centrifugation, to remove the phosphatides. It shall not contain more than 0.02% of phosphorus without a discount penalty.

Edible Crude Soy Oil - Soy oil which shall be of any of the following designated types produced from mature yellow soybeans: (1) expeller pressed, (2) expeller pressed degummed, (3) hydraulic pressed, (4) hydraulic pressed degummed, (5) solvent extracted, (6) solvent extracted degummed and (7) mixtures of any of the above-described types. When the oil is produced by solvent extraction, the name of the solvent used in the process must be given.

Edible Refined Soy Oil - Crude or degummed soy oil which has been subjected to special refining processes to adapt it specifically for use in food products. In addition to treatment with alkali, bleaching, partial hydrogenation, the oils may be also winterized. These oils are further classified as salad oils, cooking oils or shortening.

Full-Fat Soy Flour - Flour containing all of the oil originally present in the raw soybeans; usually 18 to 20%.

Fully Refined Soy Oil - The edible oil produced from crude or degummed soy oil which has been treated with dilute alkali solution (caustic refining) or neutralization, treated with absorbent clay materials (bleaching) and subjected to steam distillation at high temperatures under vacuum (deodorizing). Such oil may also be produced by a process called physical (steam) refining which consists of degumming, bleaching and neutralization by final step of deodorizing.

High-Fat Soy Flour - Flour produced by adding back soy oil and/or lecithin to defatted soy flour to a specified level, usually in the range of 15%.

Hydrogenated Soy Oil - During the process of hydrogenation, the soy oil is exposed to hydrogen gas in the presence of heat and a catalyst (nickel, copper chromite) and the hydrogen combines with certain of the chemical components (unsaturated fatty acids) of the triglycerides with a resultant increase in the melting point of the oil; sometimes referred to as "hardening."

Isolated Soy Protein - Protein which has been greatly concentrated from its native location by chemical or mechanical means. It is produced by extracting protein from white flakes or flour with water or a mild alkali. Isolate generally has a protein content of 90%.

Lecithinated Soy Flour - A type of low-fat or high-fat soy flour in which lecithin is added to defatted soy flour to a specified level, usually in a range up to 15%.

Low-fat Soy Flour - Flour produced either by partial removal of the oil from soybeans or by adding back soy oil and/or lecithin to defatted soy oil to a specified level, usually in the range of 5% to 6%.

Meat Analogs - Material usually prepared from vegetable protein to resemble specific meats in texture, color and flavor.

Meat Extenders - Use of soy or other vegetable proteins as partial substitutes for meat in processed items such as patties, chili, casseroles, etc.

Miso - A fermented, whitish-brown to brown paste made from soaked, steam-heated soybeans which are inoculated with cultures of microorganisms grown on rice or barley and then allowed to ferment. One method of fermentation is called the "natural brewing process" in which the soybeans are allowed to ferment for approximately 9 months; the other method is known as "the quick brewing process" in which the miso is produced in a short time by reducing the length of time for processing (heating) the soybeans and the fermentation. A sweet type or a salty type may be produced. Miso can be used as a soup base or as a seasoning for meat, vegetables or tofu.

Once Refined Soy Oil - Oil produced from crude soy oil which has been subjected only to the dilute alkali solution (refining) treatment or a comparable chemical treatment.

Protein - A naturally occurring combination of amino acids, containing carbon, hydrogen, oxygen, nitrogen and usually sulphur. Protein is one of the essential constituents of all living things and of the diet of animal organisms.

Soy Grits and/or Flour - The ground, screened, graded product obtained after extracting most of the oil from selected, sound, clean, dehulled soybeans. They are produced from grinding the defatted soy flakes. Grits are coarser ground than soy flour. Protein range is 40% to 60%.

Soy Protein Concentrate - Produced from defatted soybean flakes or flour by a process which immobilizes the protein and removes soluble sugars, mineral, etc. Concentrate has a protein content of 70%.

Soy Sauce (Shoyu) - A seasoning sauce of soybean protein mixed with wheat flour, resulting from the action of molds, yeasts and bacteria as prepared by the Oriental method. The fermentation or enzymatic action is permitted to progress for up to one and a half years, at which time the extract is heated and processed to produce the liquid for edible purposes. Soy sauce may also be prepared by chemical (acid) hydrolysis of soybean protein. It is used as a seasoning in the preparation of foods and as a table condiment.

Soybean(s) - A legume, the botanical name of which is Glycine max (L.) Merrill; a summer annual varying in height from less than a foot to more than 6 feet and in habit of growth from stiffly erect to prostrate; the cultivated plant may reach a height of 3 feet or more. The seeds (soybeans) are borne in pods that grow in cluster of three to five with each pod usually containing two or three or more seeds. The oil content of the soybean varies from 13% to 26% (average 18% to 22%) and from 38% to 45% protein (on a moisture-free basis.) Soybeans were grown for centuries in the Orient and first introduced to the United States early in the 19th century. Soybeans grow best in areas having hot, damp summer weather but they can be grown under a great variety of climatic conditions. The term "soybean" has been accepted as standard in the United States in preference to "soya bean," "soy bean," "soya-bean," or "soja bean." It is incorrect to use the terms "beans" when referring to soybeans.

Soybean Cake - Product resulting from the extraction of part or all of the oil by pressure or solvents from soybeans, sold according to its protein content and further described by its process of manufacture. (For more information see ***NOPA Standard Definitions***, immediately following this section.)

Soybean Extraction/Processing - The procedures involved in the separation of the oil and the protein meal; also called "crushers" or oil mill operations. There are two types of processes presently used in the United States for this purpose:

(1) Solvent Extraction - The process whereby the oil is leached or washed (extracted) from flaked soybeans by the use of commercial hexane as the solvent. The level of oil in the extracted flakes can be reduced to 1% or less by this processing method. The products resulting from the use of this process are designated in the trade as "solvent extracted," e.g. "solvent extracted soybean meal," "dehulled solvent extracted soybean meal," "solvent extracted soy grits", "solvent extracted soy flour." Practically all soybeans processed in the United States are processed by the solvent extraction system.

(2) Continuous Pressing - A continuous pressing process, at elevated temperatures, using expellers or screw presses which utilize a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soybeans after they have been ground and properly conditioned. The oil content of the resulting press cake is reduced to from 4% to 6% by this processing method. Although technically incorrect, the products resulting from this type of processing are often referred to as "expeller," e.g. "expeller soybean meal." (The term "Expeller" applies specifically to the screw press manufactured by Anderson IBEC of Strongsville, Ohio, whereas the screw press manufactured by the French Oil Mill Machinery Co. of Piqua, Ohio, is designated as a "mechanical screw press."

A third type of processing, called **Batch Pressing,** is not used at present in the United States to any appreciable extent but is used in some parts of the world for recovering the oil from soybeans and other oil-bearing materials. It is the oldest process known to the vegetable oil processing industry. It consists of an intermittent pressing operation carried out at elevated temperatures in a mechanical or hydraulic press after the soybeans have been rolled into flakes and properly conditioned by heat treatment.

Soybean Fatty Acids - The product obtained when glycerine is split off from the triglycerides in soy oil by any method of hydrolysis. In the field of industrial usage, soybean fatty acids are usually further classified according to the treatment to which they are subjected subsequent to hydrolysis.

Soybean Meal - Ground soybean cake, ground soybean chips or ground soybean flakes, sold according to its protein content and further described by its process of manufacture. Typical composition: protein 44.0% minimum, fat 0.5% minimum, fiber 7% minimum and moisture 12.0% maximum. (For more information see ***NOPA Standard Definitions***, immediately following this section.)

Soybean Lecithin - The mixed phospholipids product obtained from soy oil by the degumming process, contains lecithin, cephalin and inositol phosphatides, together with glycerides of soy oil and traces of tocopherols, glucosides and pigments. It is designated and sold according to conventional descriptive grades with respect to consistency and bleaching. The dehydrated emulsion of mixed phosphatides and soy oil is further processed to produce the commercial grades which may be described as follows: plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached. High quality commercial lecithin contains 60% to 65% phosphatides.

Soybean Processor - An individual, or a group of two or more individuals working together as a company or firm whose primary business is the separation of the oil and meal in soybeans. The activities of a processor may also include refining and/or distribution of the oil as well as distribution of the soybean meal or soy protein.

Soybean Soapstock - The by-product that results from the alkali refining of soy oil; averages about 6% of the volume of crude oil refined. It is sometimes referred to as "foots" since it accumulates at the bottom (foot) of the refining tank. Contract grade should contain not less than 30% total fatty acid.

Soyfoods - Term for edible (primarily for human consumption) soy-based products. These include traditional soyfoods such as tofu, soymilk, tempeh, soy sauce etc.; soy protein products produced after processing (as described above) such as soy flour, soy concentrates and isolated soy proteins; soy oil products such as refined soy oil, hydrogenated soybean oil and soybean lecithin; and, other edible by-products such as soybean hulls and soy fiber. Also, "second generation" soyfoods, a term to describe consumer oriented products that use a soyfood as a primary ingredient, such as tofu or soymilk-based nondairy frozen desserts or tofu-stuffed ravioli.

Soymilk - A protein-rich, milk-like liquid typically obtained from the soaking and grinding of whole soybeans with water; or, hydrating whole, full-fat soy flour; cooking the resultant slurry, and filtering all or part of the soy pulp or fiber from the cooked liquid. Soymilk prepared in this manner can be used to make tofu, drunk as is, or sweetened and flavored as a beverage.

Soynuts (Whole soybean snacks) - Roasted whole soybeans. Oil roasted and dry roasted. Available plain, whole or crumbled; and flavored with a confectionery or seasoning coating.

Technical Grade Refined Soy Oil - Includes a wide variety of soy oils that are specially refined and further processed to meet requirements and/or specifications for a definite industrial use.

Tempeh - A soyfood product developed in Indonesia in which soybeans are soaked overnight and then cooked for a short time; the cooked soybeans are inoculated with the fungus *Rhizopus oryzae* and allowed to stand for 24 hours at 88°F (31°C) to permit optimum growth of the mycelium of the organism. The finished product resembles a pressed soybean cake. Tempeh can be eaten as is or cooked by frying or roasting.

Textured Vegetable Protein - Soy or other vegetable protein that has texture imparted by; spinning a fiber and combining the fiber in layers to achieve the desired texture; or, by a thermoplastic extrusion process.

Toasting - The term commonly but erroneously applied to the processes (moist) of cooking soybean meal, flour or grits by atmospheric or pressure methods for the purpose of increasing the protein efficiency of these soy products or improving their functional properties and/or improving physical texture.

Tofu - A cheese-like product made from soymilk. The protein is precipitated from the soymilk by the use of calcium sulfate, magnesium chloride (nigari), calcium chloride or other suitable coagulating agent and then placed into forming boxes (or final package as in "silken tofu"). Weight may or may not be applied to the tofu to help in the removal of whey. After solidification and cooling, the tofu is cut into appropriate sized pieces for packaging. Typically, tofu can have a protein content ranging from 6 to 14 percent and contain from 79 to 88 percent moisture. Tofu can be eaten as is, cooked by frying or deep frying or added to soups. Tofu can be spray-dried to serve as an ingredient in other food products. Recently tofu has been used as an ingredient in nondairy frozen desserts (ice cream-like) and other "second generation products".

Winterized Oil - Oil which has been treated in a manner to partially remove the saturated glycerides which have relative high melting points and are soluble only to a limited extent in the unsaturated glycerides. The process consists of chilling the oil slowly and then maintaining it a 5°C (41°F) for a specified period of time and removing the crystallized glycerides from the liquid fraction of the oil by the use of filter presses. Soy oil does not require winterizing unless it has been partially hydrogenated to increase stability.

Are You Using Someone Else's Copy Of The Soya Bluebook?

If so, why not use the form on page 244 to order your own copy of the Soya Bluebook. Is there someone else in your office who could use a copy of the Soya Bluebook? Why not order them together and take advantage of the volume discounts being offered. Just fill out the form and return it with your check or charge. You'll never have to wait to use the Soya Bluebook again.

Standards & Specifications

NATIONAL OILSEED PROCESSORS ASSOCIATION (NOPA)
The following sections are reprinted from NOPA's **Yearbook and Trading Rules.**[1]

TRADING RULES For the Purchase and Sale of SOYBEAN MEAL[1]

RULE 2—QUALITY

Section 1. STANDARD OF QUALITY

The standard of quality shall be the Soybean Meal of fair merchantable quality conforming to standard definittions and standard specifications of the Association, as set forth in these Trading Rules.

Section 2. STANDARD DEFINITIONS

A. **Soybean Cake** or **Soybean Chips** is the product after the extraction of part of the oil by pressure or solvents from soybeans. A name descriptive of the process of manufacture, such as expeller, hydraulic, or solvent extracted shall be used in the brand name. It shall be designated and sold according to its protein content.

B. **Soybean Meal** is ground soybean cake, ground soybean chips, or ground soybean flakes. A name descriptive of the process of manufacture, such as expeller, hydraulic, or solvent extracted shall be used in the brand name. It shall be designated and sold according to its protein content.

C. (1) **Soybean Mill Feed** is the by-product resulting from the manufacture of soybean flour or grits and is composed of soybean hulls and the offal from the tail of the mill. A typical analysis is 13% crude protein and 32% crude fiber, and 13% moisture.

C. (2) **Soybean Mill Run** is the product resulting from the manufacture of dehulled soybean meal and is composed of soybean hulls and such bean meats that adhere to the hull in normal milling operations. A typical analysis is 11% crude protein and 35% crude fiber, and 13% moisture.

C. (3) **Soybean Hulls** is the product consisting primarily of the outer covering of the soybean. A typical analysis is 13% moisture.

D. **Solvent Extracted Soybean Flakes** is the product obtained after extracting part of the oil from soybeans by the use of hexane or homologous hydrocarbon solvents. It shall be designated and sold according to its protein content.

Section 3. STANDARD SPECIFICATIONS

A. **Soybean Flakes and 44% Protein Soybean Meal** are produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents. The extracted flakes are cooked and marketed as such or ground into meal. Standard specifications are as follows:

Protein	Minimum 44.0%
Fat	Minimum 0.5%
Fiber	Maximum 7.0%
Moisture	Maximum 12.0%

B. **Soybean Flakes** and **High Protein** or **Solvent Extracted Soybean Meal** are produced by cracking, heating and flaking dehulled soybeans and reducing the oil content of the conditioned flakes by the use of hexane or homologous hydrocarbon solvents. The extracted flakes are cooked and marketed a such or ground into meal. Standard specifications are as follows:

Protein	Minimum 47.5%-49.0%*
Fat	Minimum 0.5%
Fiber	Maximum 3.3%-3.5%*
Moisture	Maximum 12.0%

(*As determined by Buyer and Seller at time of sale)

C. Any of the above meal products (listed in Section 3 above) may contain a non-nutritive inert, nontoxic conditioning agent to reduce caking and improve flowability, in an amount not to exceed that necessary to accomplish its intended effect and in no case to exceed 0.5% or 10 lbs. per ton by weight of the total meal product. The name of the conditioning agent must be shown as an added ingredient.

TRADING RULES For the Purchase and Sale of SOYBEAN OIL[2]

RULE 102—GRADE, QUALITY, SETTLEMENTS OF CRUDE SOYBEAN OIL AND REFEREE CHEMISTS

Section 1. STANDARD OF QUALITY

The Standard of Quality shall be the designated type of pure Soybean Oil of fair average quality based on the season's production, which must conform to standard specifications of the Association, which are herewith made a part of the Trading Rules and which are subject to modification from time to time as conditions may warrant, upon recommendation of the Technical Committee.

A. Types of Crude Soybean Oil. Edible crude soybean oil shall be of any of the following designated types:
(1) Expeller pressed.
(2) Expeller pressed degummed.*
(3) Hydraulic pressed.
(4) Hydraulic pressed degummed.*
(5) Solvent extracted (State solvent used.)*
(6) Solvent extracted degummed. (State solvent used.)*

[1]**Yearbook and Trading Rules, 1990-1991** (Washington, DC; National Oilseed Processors Association, 1990, effective August 1, 1990), pp. 30-31

(7) Mixtures of any of the above types. (In which case seller shall specify that analysis shall be made corresponding to one of the specific types.) (State solvent used.)

*Tentative Explanatory Definition. Degummed soybean oil shall be the product resulting from removal of phosphatides from crude soybean oil, and shall contain not more than 0.02% of phosphorus determined by A.O.C.S. Official Method Ca 12-55.

B. Grade & Quality. Crude soybean oil sold under this rule shall be any of the above-designated types and shall conform to the following specifications:
(1) Not more than 0.5% moisture and volatile matter.
(2) A green color lighter than Standard B.
(3) A refined and bleached color not darker than 6.0 red.
(4) A neutral oil loss not exceeding 7.5%.
(5) Not more than 1.5% unsaponifiable matter (exclusive of moisture and insoluble impurities).
(6) A flash point not lower than 250° F.
Crude soybean oil not meeting the above specifications is rejectable, and shall be sold on sample only.

Section 2. METHODS OF ANALYSIS

The grade and quality of crude soybean oil shall be determined by the methods specified herein and in appendices A, B, and C.

Section 3. SETTLEMENTS FOR CRUDE SOYBEAN OIL

A. OFFICIAL SAMPLE: The Official Sample shall be three one-quart samples. These portions should be packaged in clean, dry and new containers. Either tinned metal containers or high density polyethylene bottles fitted with metal caps having oil resistant cap liners are acceptable. Polyethylene containers must be enclosed for shipping in custom-made, close fitting cardboard containers. The sample must be drawn at the time of loading by a qualified sampler in accordance with A.O.C.S. Official Method for sampling crude oils (C 1-47-Continuous Flow and Trier methods), and shall be so indicated on invoice. If the Shipper neglects to provide such a sample at the time of loading, or fails to show on invoice that an Official Sample has been taken, a sample drawn at destination shall be official when taken in accordance with the A.O.C.S. Official Methods as noted above. Shipper shall forward to Consignee one of the one-quart portions at no expense to Consignee within one working day of completion of loading, and label of sample must designate type of oil and plant destination. The second quart is the Shipper's sample, and the third quart is to be retained by Shipper as the referee sample.

RULE 103—DEFINITIONS OF GRADES AND QUALITY OF SOYBEAN OIL USED FOR SPECIFIC PURPOSES

Section 1. INDIVIDUAL SPECIFICATIONS: Sale of crude and special grades of soybean oil on the basis of processor's individual specifications are subject to all Trading Rules of the Association except as to quality settlement and sampling procedure as specified by Rule 102. The quality specifications and sampling procedure are to be determined by agreement between Buyer and Seller.

Section 2. RESPONSIBILITY FOR ADAPTABILITY: Seller shall not be responsible for adaptability of goods for any specific purpose, unless specifically provided for in the contract.

Section 3. DEFINITIONS OF GRADE AND QUALITY OF EXPORT OILS. ALL QUALITY DETERMINATIONS SHALL BE MADE FROM A COMPOSITE SAMPLE OF THE SHIPMENT.

A. Crude Degummed Soybean Oil

Analytical Requirements:	**Maximum**	**Minimum**	**Method**
Unsaponifiable Matter	1.5%		Ca 6a-40
Free Fatty Acids, as Oleic	0.75% a/		Ca 5a-40
Moisture and Volatile Matter and Insoluble Impurities	0.3%	M&V Ca 2d-25	1.1 Ca 3-46
Flash Point		250°F	Cc 9b-55
Phosphorus	0.02% b/		Ca 12-55

The chemical analysis to determine quality shall include the qualitative test for fish oil and marine animal oils as prescribed by AOAC Method No. 28.121 and shall be negative.

Deviations:

Only the following are allowable with the discounts to apply as shown:

a. Free fatty acids
.76%—.85%—0.2% of contract price
.86%—.95%—0.4% of contract price
.96%—1.05%—0.6% of contract price
1.06%—1.15%—0.9% of contract price
1.16%—1.25%—1.2% of contract price

b. Phosphorus
Shipment up to 0.025% permitted with the following discounts for excess over 0.020%:
.021% of—0.2% of contract value
.022% of—0.4% of contract value
.023% of—0.6% of contract value
.024% of—0.9% of contract value
.025% of—1.2% of contract value

Physical Requirements:

Crude Degummed Soybean Oil sold for export shall be pure soybean oil. It shall be produced from fair average quality crude soybean oil from which the major portion of the gums naturally present has been removed by hydration and mechanical or physical separation. It shall be equal in quality to soybean oil produced for domestic consumption.

B. Once Refined Soybean Oil

Analytical Requirements:

Clear and brilliant in appearance at 70°—85° F.
Free from settlings at 70°—85° F.
Shall contain not more than 0.10% moisture and volatile matter using A.O.C.S. Official Method Ca 2s-25. Shipment up to 0.15% allowed with following discount to be applied over 0.10% as follows:

0.11% of—0.3% of contract price
0.12% of—0.6% of contract price
0.13% of—0.9% of contract price
0.14% of—1.2% of contract price
0.15% of—1.5% of contract price

Free Fatty Acids shall not be in excess of 0.10%. Shipment up to 0.15% allowed with following discount to be applied over 0.10% as follows:

0.11% of—0.2% of contract price
0.12% of—0.4% of contract price
0.13% of—0.6% of contract price
0.14% of—0.9% of contract price
0.15% of—1.2% of contract price

Color, when bleached according to A.O.C.S. Method Ce 83-63 Procedure (a) shall not be darker than 3.5 red and shall not have a predominantly green color.

Flash point shall not be below 250° F., as determined by A.O.C.S. Tentative Method Cc 9b-55.

The unsaponifiable content shall not exceed 1.5% when determined according to A.O.C.S. Method Ca 6a-40.

The Chemical analysis to determine quality shall include the qualitative test for fish oil and marine animal oils as prescribed by AOAC method No. 28.121, and shall be negative.

Physical Requirements:

Once Refined Soybean Oil sold for export shall be pure soybean oil. It shall be produced from fair average quality crude soybean oil from which essentially all of the free fatty acids and non-oil substances have been removed by chemical treatments and by mechanical or physical separation.

C. Fully Refined Soybean Oil

Fully Refined Soybean Oil sold for export shall be pure soybean oil. It shall be produced from fair average quality crude soybean oil from which essentially all of the free fatty acids and non-oil substances have been removed by chemical treatments and by mechanical or physical separation. It shall meet the following specifications:

Analytical Requirements:

(1) Flavor shall be bland.

(2) Color (Lovibond) Maximum 20Y/2.OR using A.O.C.S. Method 13b-45 procedure.

(3) % FFA (% by wt.) Maximum 0.05 using A.O.C.S. Method Ca 5a-40 procedure.

(4) Clear and brilliant in appearance at 70—85° F.

(5) Cold Test—Minimum 5 1/2 hrs. using A.O.C.S. Method Cc 11-53.

(6) Shall contain not more than 0.10% moisture and volatile matter using A.O.C.S. Official Method Ca 2d-25.

(7) The unsaponifiable content shall not exceed 1.5% when determined according to A.O.C.S. Method Ca 6a-40.

(8) The peroxide value Meq./Kg. shall not exceed 2.0 when determined by A.O.C.S. Method Cd 8-53.

(9) Stability—AOM, Minimum is 8 hrs. 35 Meq./Kg. when using the A.O.C.S. Method Cd 12-57.

(10) Preservatives (GRAS) are permitted.

Chemical analysis shall be made in accordance with the methods from "Official and Tentative Methods of the American Oil Chemists' Society, Chapter: Commercial Fats and Oils, Section C."

The chemical analysis to determine quality shall include the qualitative test for fish oil and marine animal oils as prescribed by AOAC Method No. 28.121, and shall be negative.

Physical Requirements:

(1) The oil shall be clear and brilliant in appearance at 70°—85° F.

(2) The oil shall be free from settlings or foreign matter of any kind.

(3) The oil shall be bland and free from rancid, painty, musty, soapy, fishy, metallic, beany, and other foreign or undesirable odors and flavors when tested by the method specified in 4.3.2., as outlined in Federal Specifications JJJ-S-30b.

NOTE: The National Oilseed Processors Association has developed a Standard for Inspection, Sampling and Measuring Procedures for Bulk Shipment and Transfers of Soybean Oil. This Standard may be incorporated in Sales Contracts.

TO OBTAIN A COPY OF THE ***NOPA YEARBOOK AND TRADING RULES 1990-1991*** CONTACT:
National Oilseed Processors Association (NOPA), 1255 Twenty-Third Street, N.W., Washington, D.C. 20037
PH: 202/452-8040, FAX: 202/835-0400

[2]**Yearbook and Trading Rules, 1990-1991** (Washington D.C.; National Oilseed Processors Association, 1990, effective August 1, 1990), pp. 77-78, 82-84.

ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS, INC. (AAFCO)
The following section is reprinted from the AAFCO **Official Publication 1990.**[1]

OFFICIAL AND TENTATIVE DEFINITIONS OF FEED INGREDIENTS AS ESTABLISHED BY THE ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS

84. SOYBEAN PRODUCTS
OFFICIAL

84.1 **Ground Soybeans** is obtained by grinding whole soybeans without cooking or removing any of the oil. (Adopted 1933)
IFN 5-04-596 Soybean seeds ground

84.2 **Ground Soybean Hay** is the ground soybean plant including the leaves and beans. It must be reasonably free of other crop plants and weeds and must contain not more than 33% crude fiber. (Adopted 1944, Amended 1964)
IFN 1-04-559 Soybean hay sun-cured ground

84.3 **Soybean Hulls** consist primarily of the outer covering of the soybean. (Adopted 1948)
IFN 1-04-560 Soybean seed coats (hulls)

*84.4 **Soybean Feed, Solvent Extracted,** is the product remaining after the partial removal of protein and nitrogen free extract from dehulled solvent extracted soybean flakes. (Adopted 1948, Amended 1960, 1964)
IFN 5-04-613 Soybean seeds low protein low carbohydrates meal solvent extracted

84.8 **Soybean Mill Feed** is composed of soybean hulls and the offal from the tail of the mill which results from the manufacture of soy grits or flour. It must contain not less than 13% crude protein and not more than 32% crude fiber. (Proposed 1960, Adopted 1961, Amended 1964)
IFN 4-04-594 Soybean flour by-product

84.9 **Soybean Mill Run** is composed of soybean hulls and such bean meats that adhere to the hulls which results from normal milling operations in the production of dehulled soybean meal. It must contain not less than 11% crude protein and not more than 35% crude fiber. (Proposed 1960, Adopted 1961, Amended 1964)
IFN 4-04-595 Soybean mill run

84.10 **Soy Phosphate** or **Soy Lecithin** is the mixed phosphatide product obtained from soybean oil by a degumming process. It contains lecithin, cephalin and inositol phosphatides, together with glycerides of soybean oil and traces of tocopherols, glucosides and pigments. It must be designated and sold according to conventional descriptive grades with respect to consistency and bleaching. (Proposed 1958, Adopted 1961)
IFN 4-04-562 Soybean lecithin

84.11 **Heat Processed Soybeans** (Dry Roasted Soybeans) is the product resulting from heating whole soybeans without removing any of the component parts. It may be ground, pelleted, flaked or powdered. It must be sold according to its crude protein content. (Proposed 1960, Adopted 1964)
IFN 5-04-597 Soybean seeds heat processed

84.12 **Soy Protein Concentrate** is prepared from high quality sound, clean, dehulled soybean seeds by removing most of the oil and water soluble non-protein constituents and must contain not less than 65% protein on a moisture-free basis. (Proposed 1988, Adopted 1990)
IFN 5-32-183 Soybean protein concentrate

84.13 **Kibbled Soybean Meal** is the product obtained by cooking ground solvent extracted soybean meal, under pressure and extruding from an expeller or other mechanical pressure device. It must be designated and sold according to its protein content and shall contain not more than 7% crude fiber. (Proposed 1969, Adopted 1971)
IFN 5-09-343 Soybean seed kibbled solvent extracted

84.14 **Soybean Solubles, Condensed,** is the product resulting from the washing of soy flour or soybean flakes with water and acid; water, alkali and acid; or water and alcohol. The wash water is then concentrated to a solids content of not less than 50%. (Proposed 1983, Adopted 1990)
IFN 5-09-344 Soybean solubles condensed

84.15 **Ground Extruded Whole Soybeans** is the meal product resulting from extrusion by friction heat and/or steam, whole soybeans without removing any of the component parts. It must be sold according to its crude protein, fat and fiber content. (Proposed 1974, Adopted 1975)
IFN 5-14-005 Soybean seeds extruded ground

84.16 **_____Protein Modified** is a Soybean Product that has been processed to primarily modify the natural protein structure by utilizing acids, alkalies or other chemicals and without removing significant amounts of any nutrient constituent. The defined name under Section 84 of the applicable soybean product so modified shall be declared in the product name. (Proposed 1982, Adopted 1983)
IFN 5-26-010 Soybean protein product chemically modified

84.17 **Soybean Solubles, Dried,** is the product resulting from the washing of soy flour or soybean flakes with ater and acid; water, alkali and acid; or water and alcohol. The wash is then dried. (Proposed 1983, Adopted 1990)
IFN 5-16-733 Soybean Solubles dehydrated

84.5 **Soy Grits** is the granular material resulting from the screened and graded product after removal of most of the oil from selected, sound, clean and dehulled soybeans by a mechanical or solvent extraction process. It must contain not more than 4.0% crude fiber. (Proposed 1978, Adopted 1980.)
IFN 5-12-176 Soybean grits mechanical extracted
IFN 5-04-592 Soybean grits solvent extracted

84.7 **Soybean Meal, Dehulled, Solvent Extracted** is obtained by grinding the flakes remaining after removal of most of the oil from dehulled soybeans by a solvent extraction process. It must contain not more than 3.3% crude fiber. It may contain an inert non-toxic conditioning agent either nutritive or non-nutritive or any combination thereof, to reduce caking and improve flowability in an amount not to exceed that necessary to

*The words "Solvent Extracted" are not required when listing as an ingredient in a manufactured feed.

accomplish its intended effect and in no case to exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient. When listed as an ingredient in a manufactured feed, it may be identified as "dehulled Soybean Meal." (Proposed 1978, Adopted 1980)
IFN 5-04-612 Soybean seeds without hulls meal solvent extracted

84.51 **Soy Flour** is the finely powdered material resulting from the screened and graded product after removal of most of the oil from selected, sound, cleaned and dehulled soybeans by a mechanical or solvent extraction process. It must contain not more than 4.0% crude fiber. (Proposed 1978, Adopted 1980)
IFN 5-12-177 Soybean flour mechanical extracted
IFN 5-04-593 Soybean flour solvent extracted

84.60 **Soybean Meal, Mechanical Extracted**, is the product obtained by grinding the cake or chips which remain after removal of most of the oil from soybeans by a mechanical extraction process. It must contain not more than 7% crude fiber. It may contain an inert, non-toxic conditioning agent either nutritive or non-nutritive or any combination thereof, to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient. The words "Mechanical Extracted" are not required when listing as an ingredient in a manufactured feed. (Proposed 1978, Adopted 1980.)
IFN 5-04-600 Soybean seeds meal mechanical extracted

84.61 **Soybean Meal, Solvent Extracted**, is the product obtained by grinding the flakes which remain after removal of most of the oil from soybeans by a solvent extraction process. It must contain not more than 7% crude fiber. It may contain an inert non-toxic conditioning agent either nutritive or non-nutritive and any combination thereof, to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5% The name of the conditioning agent must be shown as an added ingredient. The words "Solvent Extracted" are not required when listing an ingredient in a manufactured feed. (Proposed 1978, Adopted 1980)
IFN 5-04-604 Soybean seeds meal solvent extracted

84.62 **Soy Protein Isolate** is the major proteinaceous fraction of soybeans prepared from dehulled soybeans by removing the majority of non-protein components and must contain not less than 90% protein on a moisture-free basis. (Proposed 1988, Adopted 1990)
IFN 5-24-811 Soy Protein Isolate

Tentative

T84.7 **Soybean Meal, Dehulled, Solvent Extracted** is obtained by grinding the flakes remaining after removal of most of the oil from dehulled soybeans by a solvent extraction process. It must contain not more than 3.5% crude fiber and not more than 12.0% moisture. It may contain calcium carbonate or an anti-caking agent not to exceed 0.5% as defined in section 87 (Special Purpose Products) to reduce caking amd improve flowability. The name of the condioning agent must reduce caking and improve flowability. The name of the conditioning agent must be shown as an added ingredient. When listed as an ingredient in a manufactured feed it may be identified as "Dehulled Soybean Meal." (Proposed 1989)
IFN 5-04-612 Soybean seeds without hulls meal solvent extracted.

T84.60 **Soybean Meal, Mechanical Extracted** is the product obtained by grinding the cake or chips which remain after removal of most of the oil from soybeans by a mechanical extraction process. It must contain not more than 7.0% crude fiber and not more than 12.0% moisture. It may contain calcium carbonate or an anti-caking agent not to exceed 0.5% as defined in section 87 (Special Purpose Products) to reduce caking and improve flowability. The name of the conditioning agent must be shown as an added ingredient. The words "Mechanical Extracted" are not required when listing as an ingredient in a manufactured feed. (jProposed 1989)
IFN 5-04-600 Soybean seeds meal mechanical extracted.

T84.61 **Soybean Meal, Solvent Extracted** is the product obtained by grinding the flakes witch remain after removal of most of the oil from soybeans by a solvent extraction process. It must contain not more than 7.0% crude fiber and not more than 12.0% moisture. It may contain calcium carbonate or an anti-caking agent not to exceed 0.5% as defined in section 87 (Special Purpose Products) to reduce caking and improve flowability. The name of the conditioning agent must be shown as an added ingredient. The words "Solvent Extracted" are not required when listing as an ingredient in a manufactured feed. (Proposed 1989)
IFN 5-04-604 Soybean seeds meal solvent extracted.

TO OBTAIN A COPY OF THE ***OFFICIAL PUBLICATION 1991 — ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS INCORPORATED*** CONTACT:
Charles P. Frank, AAFCO Treasurer, Georgia Dept. of Agriculture, Plant Food, Feed and Grain Div., Capitol Square, Atlanta, GA 30334
PH: 404/656-3637

[1]**Official Publication 1991**, Association of American Feed Control Officials Incorporated, pp. 190-192.

UNITED STATES DEPARTMENT OF AGRICULTURE

The following sections are reprinted from the **Official United States Standards for Grain.***

UNITED STATES STANDARDS FOR SOYBEANS[1]

Revised Effective May 1, 1988

Subpart A - General Provisions

Terms Defined

§ 810.101 Grains for which standards are established.

Grain refers to barley, corn, flaxseed, mixed grain, oats, rye, sorghum, soybeans, sunflower seed, triticale, and wheat. Standards for these food grains, feed grains and oilseeds are established under the United States Grain Standards Act.

§ 810.102 Definition of other terms.

Unless otherwise stated, the definitions in this section apply to all grains. All other definitions unique to a particular grain are contained in the appropriate subpart for that grain.

(a) **Distinctly low quality.** Grain that is obviously of inferior quality because it is in an unusual state or condition, and that cannot be graded property by use of the other grading factors provided in the standards. Distinctly low quality includes the presence of any objects too large to enter the sampling device; i.e., large stones, wreckage or similar objects.

(b) **Moisture.** Water content in grain as determine, by an approved device according to procedures prescribed in FGIS Instructions.

(c) **Stones.** Concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate in water.

(d) **Test weight per bushel.** The weight per Winchester bushel (2,150.42 cubic inches) as determined using an approved device according to procedures prescribed in FGIS instructions. Test weight per bushel in the standards for corn, mixed grain, oats, sorghum and soybeans, is determined on the original sample. Test weight per bushel in the standards for barley, flaxseed, rye, sunflower seed, triticale, and wheat is determined after mechanically cleaning the original sample. Test weight per bushel is recorded in whole and tenth pounds to the nearest tenth pound for wheat, rye and triticale. Test weight per bushel for all other grains is recorded in whole and half pounds, with a fraction of a half pound disregarded.

(e **Whole kernels.** Grain with 1/4 or less of the kernel removed.

Principles Governing the Application of Standards

§ 810.103 Basis of determination.

(a) **Distinctly low quality.** The determination of distinctly low quality is made on the basis of the lot as a whole at the time of sampling when a condition exists that may or may not appear in the representative sample and/or the sample as a whole.

(b) **Certain quality determinations.** Each determination of rodent pellets, bird droppings, other animal filth, broken glass, castor beans, cocklebur, crotalaria seeds, dockage, garlic, live insect infestation, large stones, moisture, temperature, an unknown foreign substance(s), and a commonly recognized harmful or toxic substance(s) is made on the basis of the sample as a whole. When a condition exists that may not appear in the representative sample, the determination may be made on the basis of the lot as a whole at the time of sampling according to procedures prescribed in FGIS Instructions.

(c) **All other determinations.** The basis of determination for all other factors is contained iN the individual standards.

§ 810.104 Percentages.

(a) **Rounding.** Percentages are determined on the basis of weight and are rounded as follows:

1. When the figure to be rounded is followed by a figure greater than or equal to 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4 and 2.45 as 2.5.
2. When the figure to be rounded is followed by a figure less than 5, retain the figure; e.g., report 8.34 as 8.3 and 1.22 as 1.2.

(b) **Recording.** The percentage of splits in soybeans, and the percentage of dockage in barley, flaxseed, rye and sorghum are reported in whole percents with fractions of a percent being disregarded. Dockage in triticale is reported in whole and half percent with a fraction less than one-half percent being disregarded. Dockage in wheat is reported in whole and tenth percent to the nearest tenth percent. Foreign material in sunflower seed is reported to the nearest one-half percent. Ranges of sunflower seed foreign material are reported as follows: 0.0 to 0.24 is reported as 0.0 percent, 0.25 to 0.74 as 0.5 percent, 0.75 to 1.24 as 1.0 percent, and the like. Foreign material and fines in mixed grain is reported in whole percent. The percentage of smut in barley and ergot are reported to the nearest hundredth percent. The percentage when determining the identity of all grains is reported to the nearest whole percent. Also reported to the nearest whole percent are the classes and subclasses in wheat; flint corn; flint and dent corn; waxy corn; classes in barley; and the percentage of each kind of grain in mixed grain. Plump barley shall be expressed in terms of the range in which it falls. Ranges shall be: Below 50 percent, 50 to 55 percent, 56 to 60 percent, 61 to 65 percent, and the like. All other percentages are reported in tenths percent.

Grades, Grade Requirements and Grade Designations

§ 810.105 Grades and grade requirements.

The grades and grade requirements for each grain (except mixed grain) are shown in the grade table(s) of the respective standards. Mixed grain grade requirements are not presented in tabular form.

§ 810.106 Grade designations.

(a) **Grade designations for grain.** The grade designations included in the following order:

(1) The letters "U.S."

(2) The abbreviation "No." and the number of the grade or the words "Sample grade";

(3) When applicable, the subclass;

(4) The class or kind of grain;

(5) When applicable, the special grade(s) except in the case of bright, extra heavy and heavy oats or plump rye, the special grades, "bright", "extra heavy", "heavy" and "plump" will precede the word "oats" or "rye" as applicable; and

(6) When applicable, the word "dockage" together with the percentage thereof.

When applicable, the remarks section of the certificate will include in the order of predominance; in the case of a mixed class, the name and approximate percentage of the classes, in the case of sunflower seed, the percentage of admixture; in the case of mixed grain, the grains present; in excess of 10.0 percent of the mixture and when applicable, the words Other grains followed by a statement of the percentage of the combined quantity of those kinds of grains, each of which is present in a quantity less 10.0 percent; in the case of barley, if requested, the word "plump" with the percentage range thereof; in the case of wheat, if requested, the percentage of protein content.

(b) **Optional grade designations.**
In addition to paragraph (a) of this Section, grain may be certificated under certain conditions as described in FGIS instructions when supported by official analysis, as "U.S. No. 2 or better (type of grain)", "U.S. No. 3 or better (type of grain)" and the like.

Special Grades, Special Grade Requirements and Special Grade Designations

§ 810.107 Special grades and special grade requirements.

A special grade serves to draw attention to a special factor or condition present in the grain and, when applicable, is supplemental to the grade assigned under § 810.106. Except for the special grade "infested", the special grades are identified and requirements are established in each respective grain standards.

(a) **Infested wheat, rye and triticale.** Tolerances for live insects responsible for infested wheat, rye and triticale are defined according to sampling designations as follows:

(1) **Representative sample.** The representative sample consists of the work portion, and the file sample if needed and when available. These grains will be considered infested if the representative same (other than shiplots) contain two or more live weevils, or one live weevil and one or more other live insects injurious to stored grain, or two or more live insects injurious to stored grain.

(2) **Lot as a whole (stationary).** The lot as a whole is considered infested when two or more live weevils, or one live weevil and one or more other live insects injurious to stored grain are found in, on, or about the lot (excluding submitted samples and shiplots).

(3) **Sample as a whole (continuous loading/unloading of shiplots and bargelots).** The minimum sample size for shiplots and bargelots is 500 grams per each 2,000 bushels of grain. The sample as a whole is considered infested when a component (as defined in FGIS instructions) contains two or more live weevils, or one live weevil and one or more other live insects injurious to stored grain, or two or more other live insects injurious to stored grain.

(b) **Infested barley, corn, oats, sorghum, soybeans, sunflower seeds and mixed grain.** Tolerances for live insects responsible for infested barley, corn, oats, sorghum, soybeans, sunflower seed and mixed grain are defined according to sampling designations as follows:

(1) **Representative sample.** The representative sample consists of the work portion and the file sample if needed and when available. These grains will be considered infested if the representative sample (other than shiplots) contain two or more live weevils, or one live weevil and five or more other live insects injurious to stored grain, or ten or more other live insects injurious to stored grain.

(2) **Lot as a whole (stationary).** The lot as a whole is considered infested when two or more live weevils, or one live weevil and five or more other live insects injurious to stored grain, or ten or more other live insects injurious to stored grain are found in, on, or about the lot (excluding submitted samples and shiplots).

(3) **Sample as a whole (continuous loading/unloading of shiplots and bargelots).** The minimum sample for shiplots and bargelots is 500 grams per each 2,000 bushels of grain. The sample as a whole is considered infested when a component (as defined in FGIS instructions) contains two or more live weevils or one live weevil and five or more other live insects injurious to stored grain, or ten or more other live insects injurious to stored grain.

§ 810.108 Special grade designations.

Soybeans that have green seed coats will also be green in cross section. Bicolored soybeans will have seed coats of two colors, one of which is brown or black, and the brown or black color covers 50 percent of the seed coats. The hilum of a soybean is not considered a part of the seed coat for this determination.

SUBPART I - UNITED STATES STANDARDS FOR SOYBEANS

Terms Defined

§ 810.1601 Definition of soybeans.

Grain that consists of 50 percent or more of whole or broken soybeans (Glycine max (L.) Merr.) that will not pass through an 8/64 round-hole sieve and not more than 10.0 percent of other grains for which standards have been established under the United States Grain Standards Act.

§ 810.1602 Definition of other terms.

(a) **Classes.** There are two classes for soybeans: Yellow soybeans and Mixed soybeans.

(1) **Yellow soybeans.** Soybeans that have yellow or green seed coats and which in cross section, are yellow or have a yellow tinge, and may include not more than 10.0 percent of soybeans of other colors.

(2) **Mixed soybeans.** Soybeans that do not meet the requirements of the class Yellow Soybeans.

(b) **Damaged kernels.** Soybeans and pieces of soybeans that are badly ground-damaged, badly weather-damaged, diseased, frost-damaged, germ-damaged, heat-damaged, insect-bored, mold-damaged, sprout-damaged, stinkbug-stung, or otherwise materially damaged. Stinkbug-stung kernels are considered damaged kernels at the rate of one-fourth of the actual percentage of the stung kernels.

(c) **Foreign material.** All matter that passes through an 8/64 round-hole sieve and all matter other than soybeans remaining in the sieved sample after sieving according to procedures prescribed in FGIS instructions.

(d) **Heat-damaged kernels.** Soybeans and pieces of soybeans that are materially discolored and damaged by heat.

(e) **Purple mottled or stained.** Soybeans that are discolored by the growth of a fungus; or by dirt; or by a dirt-like substance(s) including nontoxic inoculants; or by other nontoxic substances.

(f) **Sieve, 8/64 round hole sieve.** A metal sieve 0.032 inch thick perforated with round holes 0.125 inch in diameter.

(g) **Soybeans of other colors.** Soybeans that have green, black, brown, or bicolored seed coats. Soybeans that have green seed coats will also be green in cross section Bicolored soybeans will have seed coats of two colors, one of which is brown or black, and the brown or black color covers 50 percent of the seed coats. The hilum of a soybean is not considered a part of the seed coat for this determination.

(h) **Splits.** Soybeans with more than 1/4 of the bean removed and that are not damaged.

Principles Governing the Application of Standards

§ 810.1063 Basis of determination.

Each determination of class, heat-damaged kernels, damaged kernels, splits and soybeans of other colors is made on the basis of the grain when free from foreign material. Other determinations not specifically provided for under the general provisions are made on the basis of the grain as a whole.

Grades and Grade Requirements

§ 810.1064 Grades and grade requirements for soybeans.

Grade	Minumum Test Weight per Bushel (pounds)	Maximum Limits of				
		Damaged Kernels		Foreign Material (percent)	Splits (percent)	Soybeans Of Other Colors (percent)
		Heat Damaged (percent)	Total (percent)			
U.S. No. 1	56.0	0.2	2.0	1.0	10.0	1.0
U.S. No. 2	54.0	0.5	3.0	2.0	20.0	2.0
U.S. No. 3 1/	52.0	1.0	5.0	3.0	30.0	5.0
U.S. No. 4 2/	49.0	3.0	8.0	5.0	40.0	10.0

U.S. Sample grade

U.S. sample grade is soybeans that:

(a) Do not meet the requirements for U.S. Nos. 1, 2, 3 or 4, or;

(b) Contain 8 or more stones which have an aggregate weight in excess of 0.2 percent of the sample weight, 2 or more pieces of glass, 3 or more Crotalaria seeds (Crotalaria spp.), 2 or more castor beans (Ricinus communis L.), 4 or more particles of an unknown substance(s), 10 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth per 1,000 grams of soybeans; or

(c) Have a musty, sour, or commercially objectionable foreign odor (except garlic odor); or

(d) Are heating or otherwise of distinctly low quality.

1/ Soybeans that are purple mottled or stained are graded not higher than U.S. No. 3.
2/ Soybeans that are materially weathered are graded not higher than U.S. No. 4.

Special Grades and Special Grade Requirements

§ 810.1605 Special grades and special grade requirements.

Garlicky soybeans. Soybeans that contain 5 or more green garlic bulblets or an equivalent quantity of dry or partly dry bulblet in a 1,000 gram portion.

TO OBTAIN A COPY OF THE ***U.S.D.A. OFFICIAL UNITED STATES STANDARDS FOR GRAIN*** CONTACT:
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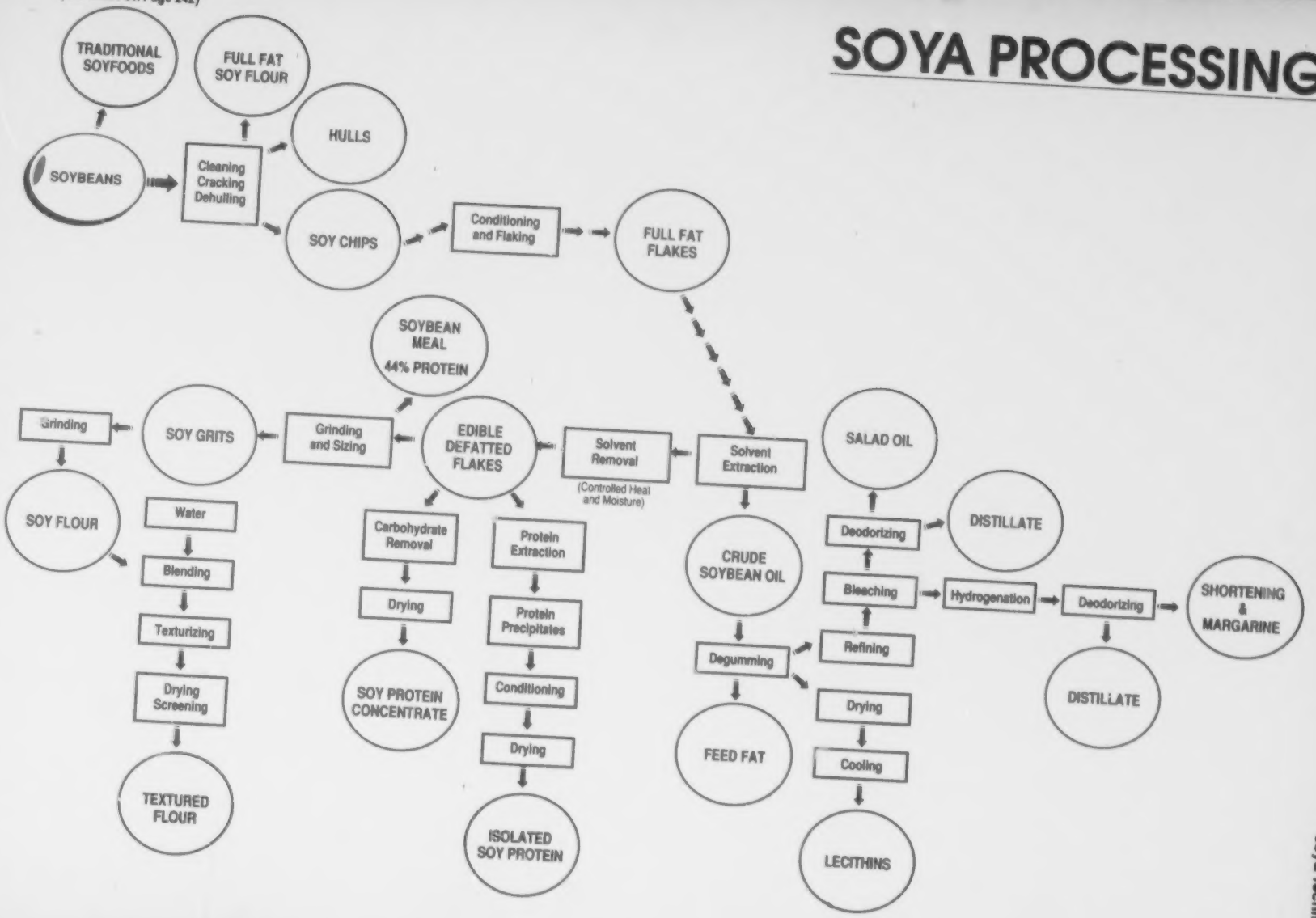
*Official United States Standards for Grain, Revised May 1,1988 (U.S. Government Printing Office)
[1]Compliance with the provisions of these standards does not excuse failure to comply with the provisions of the Federal Food, Drug and Cosmetic Act, or other Federal laws.

(See Chart On Page 242)

SOYA PROCESSING



SOYBEANS

OIL PRODUCTS

GLYCEROL

FATTY ACIDS

STEROLS

REFINED SOY OIL

SOYBEAN LECITHIN

Edible Uses

Cooking Oils
Mayonnaise
Margarine
Pharmaceuticals
Salad Dressings
Salad Oils
Sandwich Spreads
Vegetable Shortening
Medicinals
Filled Milks
Coffee Whiteners
Creamers
Liquid Shortening

Industrial Uses

Caulking Compounds
Core Oils
Disinfectants
Electrical Insulation
Insecticides
Fungicides
Herbicides
Pesticides
Linoleum Backing
Oiled Fabrics
Printing Inks
Protective Coatings
Plasticizers
Putty
Soap
Tin & Terne Plate Oils
Waterproof Cement
Wallboard Manufacturing

Emulsifying Agent
  Bakery Products
  Candy Products
  Chocolate Coatings
  Pharmaceuticals
Nutritional
  Medical Use
  Dietary Use
Anti-Spattering Agent
  Margarine Manufacture
Stabilizing Agent
  Shortening
Anti-Foam Agent
  Yeast Manufacture
  Alcohol Manufacture
Dispersing Agent
  Paint Manufacture
  Ink Manufacture
  Insecticides
  Rubber Manufacture
Wetting Agent
  Cosmetics
  Pigments (paint)
  Calf Milk Replacers

WHOLE SOYBEAN PRODUCTS

WHOLE GREEN SOYBEANS

BAKED SOYBEANS

SEED

SOY SPROUTS

STOCK FEEDS

FULL FAT SOY FLOUR

Bread
Candy
Doughnut Mix
Frozen Desserts
Pancake Flour
Pan Grease Extender
Pie Crust
Sweet Goods
Low-Cost Gruels
Instant Milk Drinks

ROASTED SOYBEANS (SOYNUTS)

Candy Ingredient
Confection
Cookie Ingredient
Cookie Topping
Cracker Ingredient
Fountain Topping
Soy Coffee
Soynut Butter
Dietary Items

TRADITIONAL SOYFOODS

Tofu
Soymilk
Miso
Tempeh
Soy Sauce
Natto

SOYBEAN MEAL PRODUCTS

GRITS, SOY FLOUR, CONCENTRATES & ISOLATES

Edible Uses

Bakery Ingredient
Alimentary Pastes
Noodles
Meat Products
Cereals
Prepared Mixes
Food Drinks
Baby Food
Hypo-Allergenic Milk
Confections
Candy Products
Special Diet Foods
Meat Analogs

Industrial Uses

Adhesive
Plywood
Wallboard
Insecticidal Sprays
Particle Board
Tape Joint Cements
Linoleum Backing
Texture Paints
Nutrient
Yeast
Antibiotic
Beer & Ale

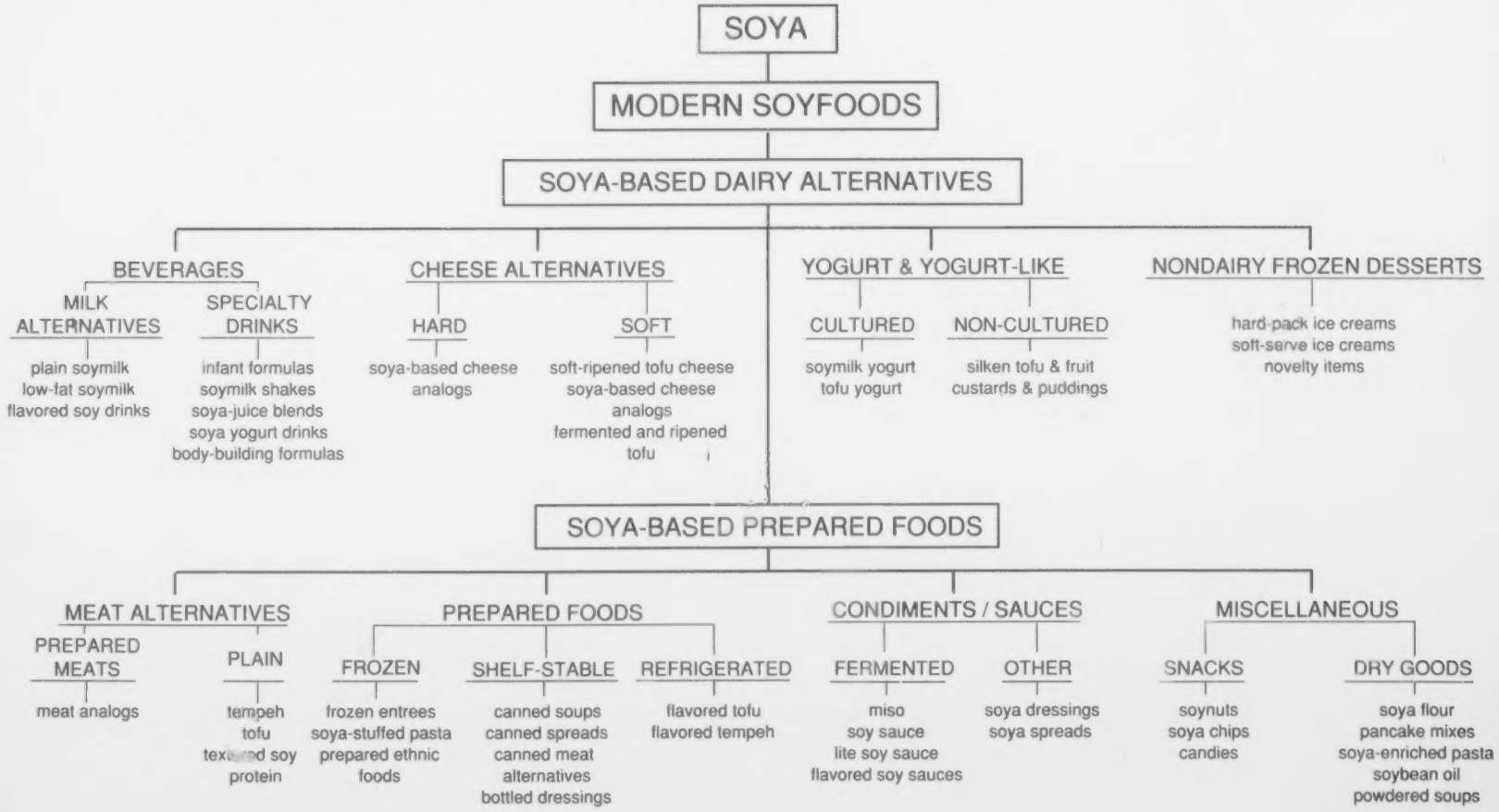
FEED USES

Calf Milk Replacers
Livestock Feeds
Poultry Feeds
Protein Concentrates
Pet Foods
Fox & Mink Feeds
Fish Food

SOYA PRODUCTS

Courtesy of the American Soybean Association

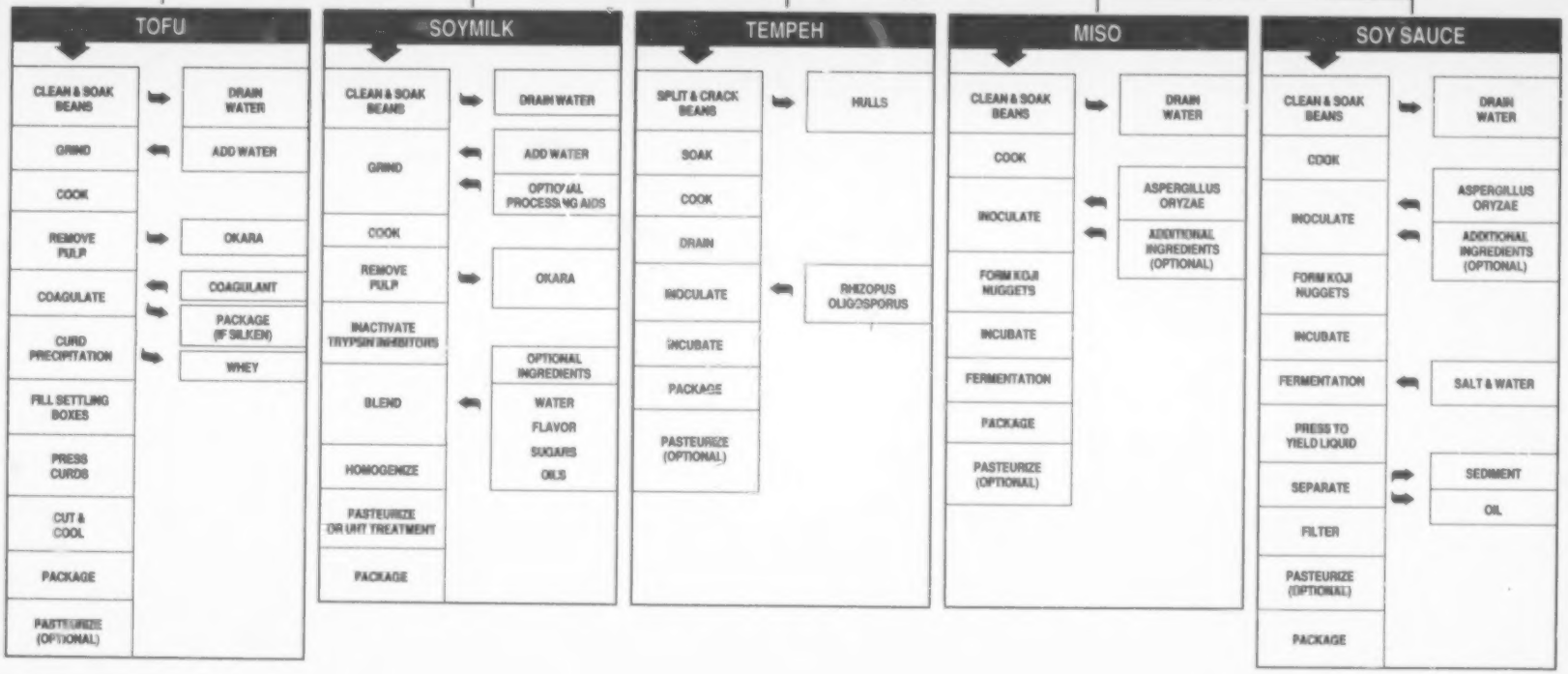
MODERN SOYFOODS



TRADITIONAL SOYFOODS

Please Note: Diagrams represent simplified renditions of traditional manufacturing processes. There are many other methods used today to manufacture all of these products.

WHOLE SOYBEANS



SOYFOODS — Composition and Nutrient Content

Proximate Composition and Selected Nutrient Content of Various Soyfoods in 100 g. Edible Portions*

SOYFOOD	Water g	Kcal	Protein (N X 5.71) g	Fat g	Carbo-hydrate g	Crude Fiber g	Calcium mg	Iron mg	Zinc mg	Thiamin mg	Riboflavin mg	Niacin mg	Vitamin B6 mg	Folacin mcg
MISO	41.5	206	11.8	6.1	28.0	2.5	66	2.74	3.32	0.10	0.25	0.86	0.22	33.0
NATTŌ	55.0	212	17.7	11.0	14.4	1.6	217	8.60	3.03	0.16	0.19	0.00	n/a	n/a
OKARA, fiber by-product of soymilk/tofu	81.6	77	3.2	1.7	12.5	4.1	80	1.30	n/a	0.02	0.02	0.10	n/a	n/a
SOY FLOUR, Defatted	7.3	329	47.0	1.2	38.4	4.3	241	9.24	2.46	0.70	0.25	2.61	0.57	305.4
SOY FLOUR, Full-fat, raw	5.2	436	34.5	20.6	35.2	4.7	206	6.37	3.92	0.58	1.16	4.32	0.46	345.0
SOY FLOUR, Full-fat, roasted	3.8	441	34.8	21.9	33.7	2.2	188	5.82	3.58	0.41	0.94	3.29	0.35	227.4
SOY FLOUR, Low-fat	2.7	326	46.5	6.7	38.0	4.2	188	5.99	1.18	0.38	0.29	2.16	0.52	410.0
SOY MEAL, Defatted, raw	6.9	339	45.0	2.4	40.1	5.8	244	13.70	5.06	0.69	0.25	2.59	0.57	302.6
SOY PROTEIN CONCENTRATE	5.8	332	58.1	0.5	31.2	3.8	363	10.78	4.40	0.32	0.14	0.72	0.13	340.0
SOY PROTEIN ISOLATE	5.0	338	80.7	3.4	7.4	0.3	178	14.50	4.03	0.18	0.10	1.44	n/a	176.0
SOY SAUCE, from HVP	75.7	41	2.4	0.1	7.7	0.0	5	1.49	0.31	0.04	0.11	2.83	0.14	13.0
SOY SAUCE, from soy (tamari)	66.0	60	10.5	0.1	5.6	0.0	20	2.38	0.43	0.06	0.15	3.95	0.20	18.2
SOY SAUCE, from soy and wheat (shoyu)	71.1	53	5.2	0.1	8.5	0.0	17	2.02	0.37	0.05	0.13	3.36	0.17	15.5
SOYBEANS, Cooked, boiled	62.6	173	16.6	9.0	9.9	2.0	102	5.14	1.15	0.16	0.29	0.40	0.23	53.8
SOYBEANS, Dry-roasted	0.8	450	39.6	21.6	32.7	5.4	270	3.95	4.77	0.43	0.76	1.06	0.23	204.6
SOYBEANS, Raw	8.5	416	36.5	19.9	30.2	5.0	277	15.70	4.89	0.87	0.87	1.62	0.38	375.1
SOYBEANS, Roasted	2.0	474	35.2	25.4	33.6	4.6	138	3.90	3.14	0.10	0.15	1.41	0.21	211.0
SOYMILK, Fluid	93.3	33	2.8	1.9	1.8	1.1	4	0.58	0.23	0.16	0.07	0.15	0.04	1.5
TEMPEH	55.0	199	19.0	7.7	17.0	3.0	93	2.26	1.81	0.13	0.11	4.63	0.30	52.0
TOFU, Raw, firm	69.8	145	15.8	8.7	4.3	0.2	205	10.47	1.57	0.16	0.10	0.38	0.09	29.3
TOFU, Raw, regular	84.6	76	8.1	4.8	1.9	0.1	105	5.36	0.80	0.08	0.05	0.20	0.05	15.0

*Source: Composition of Foods: Legume and Legume Products. United States Department of Agriculture, Human Nutrition Information Service, Agriculture Handbook Number 8-16. Revised December 1986.
Please note that the proximate composition of soyfoods shown here may differ significantly from accepted industry standards.
n/a = data not listed or available

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Comprehensive Index of Companies and Categories **246**

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Advertiser Index **257**

Advertising companies and advertisment page numbers

Comprehensive Index

A

A-Lert Corporation 171
A.D.M. Agri-Industries, Ltd. 61
A.D.M. Company Europe B.V. 78
A.D.M. Europoort B.V. 78
A.D.M. Oelmuehlen GmbH 66
A.D.M. Oelwerke Spyck 66
A.G.M.E. International Corp. 171
Aarhus Oliefabrik A/S 63
Abel, Daft & Earley 171
Abel Manufacturing Company, Inc. 171
ABIOVE—Associação Brasileira das Inds. Oleos Vegetais 14
Abrasion Engineering, Inc. 171
Abripro Biosciences Inc. (ABI) 171
Abul Khair Vegetable Oil Industries Ltd. 59
Aceitera General Deheza S.A. 58
Aceitera Matamoros, S.A. de C.V. 76
Aceitera Tapatia S.A. de C.V. 76
Aceites del Caribe S.A. 62
Aceites del Mayo S.A. de C.V. 76
Aceites Industriales El Zapote 76, 166
Aceites Vegetales Finos S.A. de C.V. 76
Aceites Vegetales S.A. (ACEVESA) 82
Aceites y Derivados del Pacifico S.A. 76
Aceites y Proteias S.A. (ACEPROSA) 82
ACI Industries, Ltd. 171
ACSAL S.A. 170
Adasco, Inc. 171
ADI International Inc. 156
Advance Foods, Inc. 165
Advanced Foods Systems 172
Aeration Equipment
See Conditioners & Coolers 107
Dryers, Grain & Meal 115, 116
Aeroglide Corporation 172
Ag Marketing Services, Inc. 172
Ag Processing Inc. 85
Ag-Bag Corporation 172
Ag-Data, Inc. 172
Agitators, Liquid 101
Agmet Metals, Inc. 172
Agra Erectors, Inc. 172
Agriculture & Fishery Marketing Corp. 20
AGRIMPEX Trading Company Ltd. 17, 162
Agro Company of Canada Ltd. 156
Agrokomplex Central Soya Takarmanyozastechnologial Egyuttmukodes 17
Agromaule Ltda. 158
Air Classifiers 101
Akzo Chemicals 67
Al-Quadri International 154
Alabama State Docks Public Grain Export Elevator 172
Alexanders Partners Limited 159
Alfa-Laval Food Engineering A.B. 169
Alfa-Laval Scarples Limited 159
Alfa-Laval Souh East Asia Pte. Ltd. 169
Algemene Oliehandel (AOH) 167
ALIDOC 65
Alimentos Antillanos N.V. 79
Alimentos Concentrados Nacionales, S.A. (ALCON) 162
Alimentos de Soja S.A. 58
Alimentos S.A. 68, 162
Alkali Suppliers
See Caustic/Alkali Suppliers 104
All-State Belting Company 172
Allana Oil Mills 68
Aloha Tofu Factory Inc. 85
Alpine Solvex Limited 69
Alpro N.V. 59
Amafilter B.V. 167
Amandus Kahl Nachf. 161
Amber, Inc. 172
Ambrosia Oils (1976) Ltd. 63
American Association of Cereal Chemists (AACC), The 23
American Colloid Company 172
American Commercial Barge Line Company 172
American Drying Systems, Inc. 172
American Farm Bureau Federation 23
American Feed Industry Association, Inc. 23
American Feed Ingredients, Inc. 172
American Institute of Food Distribution 23
American Lecithin Company 172
American Miso Company, The 85
American Natural Snacks, Inc. 85
American Oil Chemists' Society (AOCS) 24
American Phytopathological Society (APS), The 24
American Pride Soyfoods, Inc. 85
American Soy Products 85
American Soybean Association (ASA) 24
American Soybean Association/ East Europe 13
American Soybean Association/ Japan 19
American Soybean Association/Mexico & Caribbean Basin 20
American Soybean Association/ MidEast, Iberica & Africa 22
American Soybean Association/ North Europe 16
American Soybean Association/ People's Republic of China 14
American Soybean Association/South America & Caribbean Basin 28
American Soybean Association/ South Korea 20
American Soybean Association/ Southeast Asia & Subcontinent 22
American Soybean Association/ Taiwan 22
American Soybean Association/ West Europe 13
Anacon 172
Analytical Laboratories 101
Analytical Laboratory Equipment 102
ANAVI 17
Anderson Clayton 76
Anderson International Corp. 172
Andrews Feeds (Malta) Ltd. 166
Andritz Spout Bauer, Inc. 172
Animal/Livestock Feed 30
Anti-Caking Agents 102
Antioxidants 102
Anupam Extractions Ltd. 69
APM Technology Inc. 172
Applikon Dependable Instruments BV 167
APV Crepaco, Inc. 172
APV Crepaco Inc., Dryer Division 173
APV DTD, Soya Technology Division 158
Archer Daniels Midland Company 85
Argentine Soybean Area, Yield and Production by Province (T) 202
Argentine Soybeans & Products: Supply and Disposition (T) 209
Arista Industries, Inc. 173
Arkansas Soybean Association 24
ARLESA 82
Aros Sojaprodukter AB 83
Arrowhead Marketing Services Inc. 173
Arrowhead Mills, Inc. 86
Artisan Industries, Inc. 173
Asahi Industries Company, Ltd. 73
Ashland Soy Works 86
ASI Instruments, Inc. 173
Asia Protein Company, Ltd. 73

Asian Vegetable Research and Development Center (AVRDC) 23
Asociacion de Ganaderos de El Salvador (AGES) 15
Asociacion Española de Exportadores de Aceite de Soja 22
Asociacion Española de Fabricantes de Margarina 22
Asociacion Mexicana de Especialistas en NutricionAnimal, A.C. 20
Asociacion Nacional de Especialistas en Ciencias Avicoles, Mexico (ANECA) 20
Asociacion Nacional de Industriales de Aceites y Mantecas 20
Aspirators 102
Associaçao Portuguesa dos Industriais de Alimentos Compostos para Animais (I.A.C.A.) 21
Associated Laboratories 173
Association Internationale de la Savonnerie et de la Detergence (AIS) 13
Association of American Feed Control Officials (AAFCO) 24
Association Of American Feed Control Officials, Inc. (AAFCO) Official And Tentative Definations Of Feed Ingredients 234
Association Professionnelle des Fabricants d'Aliments Composes 13
Associazione Italiana Dell'Industria Olearia (ASSITOL) 19
Atomergic Chemetals Corporation 86, 173
Austin Company - Process Division, The 173
Australian Oilseed Crushers Association 13
Australian Oilseeds Federation 13
Automatic Equipment Mfg. Company 173
Automatic Samplers 102
Autoprod, Inc. 173
Avatar Corporation 86
Avicultores y Productores El Calvario S.A. de C.V. (APECSA) 76
Azumaya Inc. 86

B

B.N.W. Industries 173
Bacon, Inc., Charles V. 173
Bag Yaglari Sanayi ve Ticaret T.A.S. 84, 171
Bagging Equipment See Bags, Bagging Equipment 103
Bags, Bagging Equipment 103
Baker & Bro., Inc., H. J. 173
Baker Rullman Mfg. Inc. 173
Banamex, S.N.C. 166
Bangladesh Sugar and Food Industries Corporation (BSFIC) 13
Bangladesh Vegetable Oil Refiners' and Vanaspati Manufacturers' Association 13
Banker 103
Banner & Company Ltd., Sammuel 64
Banque National de Developpement 23
BAR N.A., Inc. 86, 173
Barge Line See Freight Line, Barge 121
Barricini Foods, Inc. 87
Bartlett and Company 173
Gebrüder Bauermeister & Company, Verfahrenstechnik GmbH & Company 161
Bauermeister, Inc. 173
BBA Group PLC 159
Bean Machines, Inc. 174
Beard Industries 174
Becker Associates Inc., Ken 174
Behlen Mfg. Company 174
Benson-Quinn Company 174
BEOCO Limited 64
BEPEX 174
BERDIKARI, PT. PP. 18
Berrydales Ltd. 64
Best Foods, CPC International, Inc. 87
Betsy's Tempeh 87
Bhavnagar Vegetable Products Unit 69
Bindicator 174
Biofix Corporation 174
Biotrek S.A. 68
Bleaching & Filtering Equipment 103
Bleaching Clays/Earths 103
Bock Engineered Products, Inc. 174
BOCM Silcock Ltd. 64
Bollheimer & Associates, Inc. 174
Bombay Extractions Ltd. 69
Bombay Oilseeds & Oils Exchange Ltd., The 17
Borton, Inc. 174
Bountiful Bean 87
BPM Industries 174
Brabender Instruments, Inc., C. W. 174
Brazilian Exports of Soybeans and Products to Major Countries (T) 220
Brazilian Soybean Area, Yield and Production by State (T) 202
Brazilian Soybeans & Products: Supply and Disposition (T) 209
Breuer Food Agency, Georg 67
Brian and Associates, Ross 174
Brimmekamp & Company, Inc., Carl G. 174
British Arkady Company Ltd., The 64
Brock & Associates, Richard A. 174
Brökelmann & Company, Oelmühle GmbH & Company 67
Broker, Cash/Product 104
Broker, Futures 104
Brown Seed Enterprises 174
Bruker Spectrospin Canada Ltd. 157
Buhler Inc. 175
Buildings, Flat Storage 104
Bulk Liquid Storage See Storage, Bulk Liquid 139
BULOG (National Logistic Agency) 18
Bunge Corporation 87
Bunge Foods 87
Bunge Iberica S.A. 82
Business Trend Analysts, Inc. 175
Buss (America), Inc. 175
Buyatti S.A.I.C.A. 58
Byron Agricultural Company Pty. Ltd. 154

C

C & T Refinery, Inc. 87
Cabotage Trading Company, Inc. 175
CACOJA 65
Cake & Oil Products Pvt. Ltd. 80
Caleb Brett Nederland B.V. 167
Caleb Brett U.S.A., Inc. 175
Calgene Chemical, Inc. 87, 175
California Pellet Mill Company (CPM) 175
Callahan Enterprises, Inc. 175
Calsicat 175
CAMECO Industries, Honiron Division 175
Campro Agra Limited 157
Canada Packers Inc. 61
Canadian Soybean Production (T) 203
Canadian Soybean Production and Utilization (T) 203
Cantrell Company, W. C. 175
Cardowan Creameries Ltd. 81
CARE 24
Cargill Agricola S.A. 60
Cargill B.V. 78
Cargill de Venezuela C.A. 196
Cargill España, S.A. 82
Cargill, Inc. 87
Cargill Investor Services 175
Cargill Oilseeds Australia 58
Cargill Processing Ltd. 58
Cargill S.A. 58
Cargill Soya France 65
Cargill UK Ltd. 64
Carter Day Company 175
Carter Day Industries (Canada), Ltd. 157
Carter Manufacturing Company, Inc. 175
Carver, Inc. 175
Catalysts, Hydrogenation 104

Should *YOUR COMPANY* Be Listed In The '92 Soya Bluebook?

Cauldron Foods Ltd. 64
Caustic/Alkali Suppliers *104*
Cedar Heights Clay Company 175
Cemac Foods Corporation 88
Central Soya (France) S.A. 160
Central Soya Company, Inc. 88
Central Soya of Canada Ltd. 62
Central Soya Overseas B.V., Chemurgy Div. 78, 167
Central Soyfoods 88
Central Valley Vegetable Oils 88
Centre de Recherche Agro-Alimentaire (CRAAL) 28
Centre de Recherche Industrielle du Quebec (CRIQ) 14
Centre Technique Interprofessionnel des Oleagineux Metropolitains (CETIOM) 16
Centrico, Inc. **176**
Centrifuges *105*
CENTROPROM Export-Import 196
CEREOL B.V. 78
Cereol Deutschland GmbH 67
Cereol Iberica, S.A. (Kelsa) 82, 169
CEREOL Italia S.r l. 72
Chamorro Industrial S.A., E. 63, 79
Champlain Industries, Inc. 62, 88
Chantland Company, The 176
Charlie Lin's "Vitalite" Foods 88
Cheil Food & Chemical Company, Ltd. 74
Chem-Staat Laboratories, Inc. 176
Chemical Refining/Neutralization Equipment
See Refining/Neutralization Equipment, Chemical *128*
Chempro (Pty) Ltd. 169
Cherry-Burrell 176
Cherry-Burrell, Process Equipment Division 176
Cherwell Ralli Europe 65
Cherwell Valley Silos Ltd. 64
Chew International 176
Chicago & North Western Transportation Company 176
Chicago Board of Trade 176
Chief Industries, Inc. 176
Chronos Richardson, Inc. 176
Chrystal Company, Inc., Charles B. 176
CICAM S.R.L. 164
Cimbria Unigrain Ltd. A/S 159
Clays, Bleaching
See Bleaching Clays/Earths *103*
Cleaners, Commercial Grain
See Commercial Grain Cleaners *105*
Cleaning/Sanitizing Equipment & Supplies *105*
Cleary Products, Inc., W. A. **89**
Clofine Dairy & Food Products, Inc. **89**
CMA Inc. 176
Coallier Publishing Company 176
CoBank, St. Louis Banking Center 176
Codema, Inc. 176
COGRA Lever S.A. 62
Colfax, Inc. 89
Colfax of Philadelphia, Inc. 89
Commercial Farmers Union 28
Commercial Grain Cleaners *105*
Commercial Soybean Breeders 25
Commodity Hedger *106*
Commodity News Wires
See News Wires, Commodity *126*
Compagnia Continentale Italiana S.p.A. 72
Compagnie Cargill S.A. 66
Companhia Portuguesa de Azeites 81
Compania Continental S.A. 58
Compania Industrial y de Abastecimientos S.A. (CINDASA) 82
Compania Numar S.A. 63
Compania Oleaginosa del Peru S.A. (COPSA) 80
Compañia Panameña de Aceites, S.A. 80
Computer Process Control, Hardware *106*
Computer Process Control, Programming *106*
Computer Process Control, Software *106*
Concentrates
See Soy Protein Concentrates *38*
Condensers, Solvent Recovery *107*
CONDIMENTA Dr. E. Rendlen GmbH 161
Conditioners & Coolers *107*
Confederacion Espanola de Fabricañes de Alimentos Compuestos Para Animales 22
Connell & Company 176
Connolly & Sons Ltd., William 71
Consejo Nacional de Produccion (CNP) 15
Consolidated Grain and Barge Company 176
Consolidated Rail Corporation (CONRAIL) 176
Consorcio Oleaginoso Portuguesa S.A. (COPOSA) 96
Construction Contractors, Complete Plants *107*
Construction Contractors, Protein Plants *108*
Consultants, Equipment *108*
Consultants, Industrial Processes *109*
Consultants, Marketing *110*
Consultants, Plant Layout *110*
Consultants, Product Development *110*
Continental Air Systems 176
Continental de Oleos Vegetais 60
Continental Grain Company 89, 177
Continental Grain Company, Processing Division 89
Continuous Screw Presses
See Presses, Continuous Screw *126*
Contract Research (Pilot Scale) *112*
Control Enterprises, Inc. 177
Control Instruments *112*
Conveyors (Drag or en Masse) *112*
Conway Oil Company 89
Cookers/Extruders/Roasters *112*
Cooking/Salad Oil *30*
Coolers
See Conditioners & Coolers *107*
Cooperativa Central Agropecuária Campos Gerais Ltda. 60
Cooperative Elevator of Greenwood 177
Cooperative League of the USA (CLUSA) 18
COPRONA S.A. 62
Core Team, The 177
Costruzioni Meccaniche Bernardini S.p.A. 164
Cottor International 162
Cottry & Company S.A., N.V. 154
Country Brand Seeds, Inc. 177
Country Farmhouse Soya Products 72
Country Grown Foods 177
CP Instrument Company Ltd. 159
Cracking Equipment
See Flaking & Cracking Equipment *120*
Craft International Consultants 177
Cricklewood Soyfoods 89
Crippen Manufacturing Company, Inc. 177
Crown Iron Works Company **177**
Crude Degummed Soybean Oil
See Soybean Oil, Crude Degummed *46*
Crude Oil Storage Tanks
See Tanks, Crude Oil Storage *139*
Crude Soybean Oil
See Soybean Oil, Crude *45*
CSC Scientific Company, Inc. 177
CSP Foods Ltd. 62
CSX Transportation 177
CTC, North America, Inc. 177
Cudahy Inc., Patrick 89
Curtis & Tompkins Laboratories 177
Custom Food Products, Inc. 89

D

D.C.A. Services Inc. 177
Dabney-Hoover Supply Company, Inc. 177
Daily Harvest Manufacturing & Marketing Corp. 168
Dairyland Products, Inc. 89
Dairyland Seed Company, Inc. 177
DAMAS A.S. 159
Damman-Croes S.A. **154**
Dantec Systems Corporation 157
Davenport Machine & Foundry Company 178
Davy Bamag GmbH 161
Davy Corporation plc. 158, 171
Davy Powergas India Private Ltd. 163
Davy South Africa (Pty.) Ltd. 169

Day Company, J. H. 178
De Hobbit 59
De Smet (Engineering) S.E. Asia Pte. Ltd. **169**
De Smet (Malaysia) Sdn. Bhd. 166
De Smet Chemfood Engineering Pvt. Ltd. 163
De Smet Do Brasil S.A. 156
De Smet Egypt 159
De Smet Engineers & Contractors S.A. 155
De Smet Espana S.A. 169
De Smet Mexico S.A. de C.V. 166
De Smet Process & Technology, Inc. 178
De Smet Rosedowns Ltd. 159
De Smet S.A.I.C. 154
Dedert Corporation 178
Degumming Equipment *113*
Dehulling Equipment *114*
DeKalb Pfizer Genetics 178
Dekker International, Jan 167
Delmhorst Instrument Company 178
Delmon Poultry Company 59
Denofa Og Lilleborg Fabriker, A/S 80
Deodorization Equipment *114*
Derivados de Oleaginosas del Valle S.A. de C.V. 76
Desolventizers, Flash Vapor
See Flake Desolventizers, Flash Vapor *119*
Desolventizers, Normal
See Flake Desolventizers, Normal *120*
Deutsche Gesellschaft fur Ernahrung (DGE) 16
Deutsche Gesellschaft fur Fettwissenschaft e.V. 17
Devon Industries Sdn Bhd 81
DICKEY-john Corporation 178
Dindings Soya & Multifeeds Sdn. Berhad 75, 166
Distillation Equipment, Fatty Acid
See Fatty Acid Distillation Equipment *119*
Distribuidora Veterinaria del Pacífico, S.A. de C.V. 167
Divine Engineering, Inc. 178
Do-Well Oil Plants Pvt. Ltd. 163
Doane Agricultural Services Company 178
Dong Bang Corporation 75, 166
Dosi & Associates 163
Down River International, Inc., Transit Protection Division 178
Dr. Chung's Foods Company, Ltd. 75, 166
Drake Petroleum Company 178
Dravo, Davy 178
Dreyfus Corp., Louis 178
Dryers, Grain *115*
Dryers, Meal *116*
Dryers, Oil *116*
Drying & Aeration Equipment
See Conditioners & Coolers *107*
Dryers, Grain, Meal & Oil *115, 116*
DS Industries ApS 63
DSO Zarneni Hrani I Furazhna 14
Dumortier Freres, P. 66
Dunn International, Ltd. 178
Dust Control Systems & Supplies *116*
Duta Semesta Mukti, PT 164
Dykes Sales & Service, Inc., J. R. 178
Dynequip, Inc. 179

E

Earths, Bleaching
See Bleaching Clays/Earths *103*
Eastman Chemical Company 89
Eastman Chemical Products, Inc. 179
Eaton - Consolidated Controls 179
Economic Forecaster *117*
Edelsoja GmbH **67**
Eden Foods, Inc. 89, 179
Edible Oil Refining Company Ltd., The 76
Edible Soybean Oil Products
See Soybean Oil Products, Edible *44*
Edward & Sons, Inc., A. G. 179
EEC Seed Crushers and Oil Processors Federation (FEDIOL) 13
Egyptian National Vegetable Oils Extraction Corp. (ENVOCO) 64
Ehrich Seed Farms, Inc. 179
Einhorn's Sons Ltd. 164
Elders QGGA Grain Pty. Ltd. 154
Electrical Engineering & Equipment Company 179
Electrolyser Corporation Ltd., The 157
Electronic Sensors, Inc. 179
Elevator & Silo Storage *117*
Elliott Automation Company, Inc. 179
EMI Corporation 179
Empresa Nacional de Comercialización de Insumos (ENCI) 21
Empresa Nicaraguense de Alimentos Basicos (ENABAS) 21
Emulsifiers *117*
Ener-G Foods, Inc. 89
Energe S.A. 60
Energy Sprouts & Texas Tofu 89
Engelhard Corporation 179
Engelhard De Meern B.V. 167
Engelhard Sutton 160
Engelmann & Buckham Machinery Ltd. 160
Engineering Services *117*
Ennis Ltd., A. W. 71
Enterprise Consulting, Inc. 179
Enterprise Foods 179
EPE Incorporated 179
Eppendorf North America, Inc. 179
Equipment Consultant
See Consultants, Equipment *108*
Equipro Indutrial Company Inc. 168
ERDCO Engineering Corporation 179
Escamilla Comisiones y Representaciones, J. L. 167
Esteve Irmaos S.A. 156
Etz-Hazayith Ltd. 71
EULIP S.R.L. 72
Eulitt Company, Dick 180
European Feed Manufacturers' Association (FEFAC) 14
European Vegetable Protein Association (EUVEPRO) 14
Experience, Inc. 180
Exporters of Soybeans & Soybean Products *118*
Extraction De Smet S.A. 158
Extraction De Smet S.A., N.V. **155**
Extruders
See Cookers/Extruders/Roasters *112*

F

Fabri-Kal 180
Fabrica de Aceites la Favorita S. A. 63
Fabrica de Jabon La Corona, S.A. de C.V. 76
Fairbanks Scales 180
Fandrich Supply Company 180
Fantastic Foods, Inc. 89
Fareastam (Chile) Ltd. 158
Farina Limited 80
Farm & Dairy 180
Farm Fans, Inc. 180
Farmers Commodities Corporation 180
FAROL S.A. Ind. Gaúcha de Farelos e Oleos 60
Fat Splitters/Separators *119*
Fatty Acid Distillation Equipment *119*
Fatty Acids
See Soybean Fatty Acids *39*
Fazenda Boa Fé 156
Fearn Natural Foods 89
Federation AMSOL 16
Federation des Fabricants D'Huiles de Belgique 14
Fédération du Négru Agricole (INAC) 16
Federation of Oils, Seeds and Fats Associations Ltd., The (FOSFA Int'l.) 15
Fedflour Trading (S) Pte. Ltd. 81
FEECO International, Inc. 180
Feed & Grain Times/Johnson Hill Press 180
Feed Management 180
Feed Manufacturer's Association 28
Feed Service Company, Inc. 180
Feedstuffs 180
Ferrell-Ross 180
Ferro Corporation 180
Fiber Analyzers
See Oil/Protein/Fiber Analyzers *126*
Fiber, Soy
See Soy Fiber *34*

Fielder Ralston Proteins Pty. ...58, 154
Filter Presses
See Presses, Filter *127*
Filtering Equipment
See Bleaching & Filtering Equipment *103*
Presses, Filter *127*
Fischbein Company 180
Flake Desolventizers, Flash/Vapor *119*
Flake Desolventizers, Normal *120*
Flakes, Soy (Full Fat)
See Soy Flakes (Full Fat) *34*
Flakes, White For Edible Purposes
See White Flakes For Edible Purposes *51*
Flaking & Cracking Equipment *120*
Florida Industrial Filters, Inc. 180
Flour & Food Ltd. 163
Flow Measurement *120*
Fluor Daniel Siting & Consulting Services 180
FMI - Fluid Metering, Inc. 180
Fong-Mao Industries Company Ltd. 83
Food Industry Research & Development Institute 170
Food Ingredients (Minnesota) Inc. ...180
Food Ingredients, Inc. 89, 180
Food Plant, The 90
Foods Fats & Fertilisers Ltd. 69
Foreign Trade Organization for Chemicals & Foodstuffs (GEZA) ...22
Föreningen Svenska Margarintillverkare 22
Forsbergs, Inc. 180
Forwarding Agent *120*
Four-B Elevator Components Ltd. ...181
Fox Testing Laboratories, Inc. 181
Foxboro Company, The 181
Fractionated Soybean Oil
See Soybean Oil, Fractionated *47*
Fractionation Equipment *120*
Fractionnement Tirtiaux, S.A. **155**
Fa. L.I. Frank **79**
Fraser & Neave (Singapore) Pte. Ltd. 81
Fratelli Gianazza S.p.A. 165
Freight Line, Barge *121*
Freight Line, Ocean *121*
Freight Line, Railroad Company *121*
Freight Line, Trucking *121*

MAXIMIZE YOUR POTENTIAL

ADVERTISE IN THE '92 SOYA BLUEBOOK!

French Oil Mill Machinery Company, The **181**
Fresh Tofu Inc. 90
Frozen Desserts
(See Nondairy Frozen Desserts *34*
Fru-Con Engineering Inc. 181
Fuji Oil Company, Ltd. 73
Full Fat Soy Flour
See Soy Flour, Full Fat *36*
Full of Beans 64
Fumigants *121*
Futures
See Brokers, Futures *104*
Fwu Sow Grain Products Company, Ltd. 83, 170

G

G & T Commodities, Inc. 181
GA Expertise Inc. 181
GAFTA Soya Bean Meal Futures Association, Ltd., The 15
Gage Industries, Inc. 181
Galactina Ltd. 83
Galaxy Cheese, Soyco Foods Div. 90
Garcia y Cia, S.A. de C.V., Raul 76
Gardner Smith Pty. Ltd. 58, 154
Garnac Grain Company, Inc. 181
Gateway Food Products Company ...90
Geldermann, Inc. 181
Gem Industries Inc. 181
General Authority for Supply Commodities 15
General Foods Limited 69, 163
General Organization for Fodder 22
General Resource Corp. 181
General Spice, Inc. 90
Generichem Corporation 181
GENEX Corporation 165
GENEX New York 181
Geo-Chem Laboratories Pvt. Ltd. 163
GIE Grainval 160
GMB Proteins Ltd. 64
Golden Harvest Cereal Pty. Ltd. 81
Goods Inc./Mainland Oriental Express 90
Goodwin Engineering & Trading, Inc. 170
Goorden N.V. 59, 155
Goudsmit Magnetic Systems B.V. ...167
Government of Ontario, Canada 25
Graan Elevator Maatschappy (G.E.M.) B.V. 167
Grace Company, W. R. **181**
Grain Analyzers *121*
Grain Cleaners
See Commercial Grain Cleaners *105*
Grain Dryers
See Dryers, Grain *115*
Grain Elevator and Processing Society 25
Grain Marketing Board 28
Grain, Rice and Oilseeds Merchants Association, The 18
Grain Silos & Flour Mills Organization 21
Grain States Soya, Inc. 90
Grain Trading Company Ltd. 17, 162
Graines & Huiles Zaden & Olien N.V. 155
Grand Trunk Western Railroad Company 181
GRANEXPORT, Enterprise for the Industry of 196
Grasas S.A. 62
Grasas Vegetales S.A. (GRAVETAL) 63
Great Eastern Sun, Inc. 181
Great Wall Enterprise Company Ltd. 83, 170
Green Spot (Thailand) Ltd. 84
Greenway Electric, Inc. 181
Greif Brothers Corp. 181
Grits, Soy
See Soy Grits *38*
Groen 182
Groupe d'Etudes de Proteine Végétals (GEPV) 16
Groupo Trasgo 76
Grupo Interamericano C.A. 196
Gurley Inc., Carl R. 182
Gusmer, Inc., A. 182
Gustafson, Inc. 182

H

H & S Systems of Decatur, Inc. 182
H.L.S. Ltd. 164
Haldane Foods Ltd. 65
Haldor Topsøe A/S 159
Hall International, Howard 90, 182
Hammermills *121*
Hance Corporation, The 182
Hartz Seed Company, Inc., Jacob ...182
Hascoët S.A. 160
Hawaiian Miso & Soy Company, Ltd. 90
Hayes & Stolz Industrial Manufacturing Company 182
Hayes General Technology Company Ltd. 164
Heat Exchangers *122*
Helena Chemical Company 182
Helix Conveyors Ltd. 160
Hendrix Voeders B.V. 79
Henke Machine Inc. 182
Henkel Corporation, Emery Group 90
Herzog-Hart Corp. 182
Heuschen-Schrouff B.V. 79
Hidrogenadora Nacional, S.A. de C.V. 77
Higashimaru Shoyu Company, Ltd. ...73
Higeta Shoyu Company, Ltd. 73
HiPro Food Products, Inc. 90
Hocbib Oil Mills (BD) Ltd., M. 59
Hoecheong International Trading Company Ltd. 170
Homann Lebensmittelwerke GmbH & Company K.G., Fritz 67

Homestyle Foods 90
Honen Corporation 73
Honeymead Products Company 90
Honeywell, Inc., Industrial Controls Division 182
Hong Guan Huat Kee 169
Horizon Trading Company Inc. 182
Horst, Inc., J. L. 182
Hosokawa Micron Division 182
House Foods & Yamauchi, Inc. 90
House of Tsang 90
Houston Calco Inc. 90
Houston Tank Storage Company 182
Howes Company, Inc., S. 182
HRANEXPORT 156
Hsiao-Kang By-Products Factory, TSC 83
Huber Corp., J. M., Clay Division 182
Hudson Tank Terminals Corporation **183**
Hulls, Soybean
See Soybean Hulls *40*
HYBCO, U.S.A. 90, 183
Hydraulic Presses
See Presses, Hydraulic *127*
Hydrogen Generation Equipment *122*
Hydrogenated Soybean Oil
See Soybean Oil, Hydrogenated *47*
Hydrogenation Catalysts
See Catalysts, Hydrogenation *104*
Hydrogenation Equipment *122*

I

I-Tung Machinery Industry Company, Ltd. 170
Ibberson Company, T. E. 183
Ibberson Engineering, Inc. 183
Ibberson International, Inc. 183
Identity Seed & Grain Company **183**
Illinois Crop Improvement Association **25**
Importers of Soybeans & Soybean Products *122*
INARI, Ltd. (International Nutrition & Resources, Inc.) 90
Indian Oil and Produce Exporters Association 18
Indian Vegetable Oil Export Association (IVOEA) 18
Indiana Crop Improvement Association **25**
INDO S.A. 58
Indovita Proteins (P) Ltd. 69
Industria e Comercio de Oleos Vegetais S.A. (OLVEBRA) 60
Industria Gáucha de Farelos e Oleos S.A. (FAROL) 61
Industrial Aceitera S.A. 77
Industrial de Alimentos S.A. 77
Industrial Enterprises Company Ltd. 84
Industrial Erectors, Inc. 183
Industrial Filter & Pump Manufacturing Company 183
Industrial Laboratories 183
Industrial Metal Products Company, Inc. 183
Industrial Process Consultant
See Consultants, Industrial Processes *109*
Industrial Soybean Oil Products *91*
Industrials Lavador, C. Por A. 63
Industrias Ales C.A. 63
Industrias de Aceite S.A. 60
Industrias J. B. Duarte S.A. 61, 156
Industrias Molturadoras S.A. (IMSA) 58
Industrie Chimiche Italia Centrale S.p.A. (ICIC) 72
Industrie-Technik GmbH 161
Industry General Corporation 183
Information Services
See News Wires, Commodity Publications/Informational Services *126, 127*
Ingman Laboratories, Inc. 183
Innovex Nutrition 1989 Ltd. 79
Inspection Services *123*
Inspection Services International 154
Insta Pro International, Ltd. 183
Institut des Corps Gras (ITERG) 16
Institut National de Nutrition & Technologie Alimentaire 23
Institute de Mercadeo Agropecuario (IMA) 21
Institute of Edible Oil Foods 14
Institute of Food Technologists 26
Institute of Shortening and Edible Oils 26
Instituto de Estabilization de Precios (INESPRE) 15
Instituto De Mercadeo Agropecuario (IDEMA) 15
Instituto Regulardo de Abastecimientos 15
Instruments, Instrument Systems *123*
INTERBRAS 14
Interfood Deutschland GmbH 67, 161
International Farmers Grain Inc. 183
International Federation of Margarine Associations (IFMA) 14
International Proteins Corporation 183
International Reserve Equipment Corp. 183
International Soybean Program (INTSOY) **26**
Interprovincial Cooperative Limited 157
Iowa Soya 26
Iowa Soybean Association 26
Iowa Soybean Promotion Board 26
Iowa Testing Laboratories, Inc. 183
Island Spring, Inc. 90
Isolated Soy Proteins *32*
Isolates
See Isolated Soy Proteins *32*
Israel Export & Trust Corp. 71, 164
ISTA Mielke GmbH 161
Italiana Olii & Risi S.p.A. 72
Itoh & Company, (America) Inc., C. 183
Itoh & Company, Ltd. (Tokyo), C. 165
Ivarson, Inc., Len E. 184
Izhar Industries (2000) Ltd. 71

J

Jacobson, Inc. 184
Jamaica Commodity Trading Company, Ltd. 19
Jamaica Soya Products Industries Limited 73
Japan Margarine, Shortening and Lard Industries Association 19
Japan Oilseed Processors Association 19
Japan Vegetable Protein Food Association 19
Jaymark, Division of Kenscott Ltd. 157
JFC International Inc. 90, 184
JMS Seed Company 184
Johnson-Loft Engineers, Inc. 184
Journal of American Oil Chemists' Society 184

K

K-Testing Laboratory, Inc. 184
Kalustian Associates, Inc., Peter 184
Kamas Industri AB 170
Kane Investments, Ltd. 184
Kansas City Southern Lines 184
Kapaa Poi Factory 91
Kapil Agro Ltd. 69, 164
Karlshamns AB 83
Karlshamns USA Inc. 91
Kawanishi Shoko Company, Ltd. (Japan) **165**
Kawanishi Shoko Company, Ltd. (U.S.A.) **184**
Kemper Securities Group 184
Khyber Agro (Pvt) Limited 80
Kibun Food Chemifa Company, Ltd. 73
Kice Industries, Inc. 184
Kikkoman Corporation 73
Kikkoman Foods, Inc. 91
King Agro, Division of Kingroup, Inc. 157
King Grain 157
Kirchfeld GmbH & Company KG, Franz 161
Kisan Agro Products, Jai 69
Knight-Ridder Commodity Perspective 184
Knight-Ridder Commodity Research Bureau 184
Koch Membrane Systems, Inc. 184
Koor Foods Ltd. 71
KOOSPOL A.S. 15
Korea Feed Association 20
Korean Soybean Curd Cooperative Federation 20
Kraft Food Ingredients Corp. 91

Krishna Oil Extractions Ltd. (KOEL) 69
Krupp Maschinentechnik GmbH **161**
Kurnool Oil Millers' Association, Shop 1 18
Kuwait Flour Mills Company, SAK 75

L

La Polar, Fabrica de Aceite Hidrogenado y Manteca Vegetal S.A. 77
La Soyarie, Inc. 62
Laboratorium Oleotest 155
Lactosoy Research 170
Laidig Industrial Systems **184**
Lakeland Engineering Equipment Company 184
Landers Machine Company 184
Laporte Inorganics 160
Laucks Testing Laboratories, Inc. 184
Lauhoff Grain Company 91
Law & Company 184
Leatherhead Food Res. Association 16, 160
Lecanto Tofu Shop 91
Lecithin, Edible-Grade *32*
Lecithin, Industrial-Grade *33*
Lee Seed Company, Inc. 91
Lee Yeast Zambia Ltd. 96
Legume, Inc. 91
Leidahl Communications 185
Lembeck Associates, Inc. 185
Les Huileries de Meknes 78
Lever Brothers Company 91
Lever Brothers WI Ltd. 84
Libra Laboratories, Inc. 185
Liga Mexico Panamericana Medico Educacional A.G. 77
Light Foods, Inc. 91
Lightlife Foods, Inc. 91
LIGHTNIN 185
LIMA France 66
Linnhoff March, Inc. 185
Lipid Systems International 185
Lipid Technology 160
Liquid Agitators
See Agitators, Liquid *101*
Liquid Filtration Consultants (LFC) 167
Litetrends 91
Little Company, O. H. 185
Livestock Feed
See Animal/Livestock Feed *30*
Living Farms 185
Lloreda Grasas S.A. 63
Loading & Unloading Equipment, Barge *123*
Loading & Unloading Equipment, Railroad *124*
Loading & Unloading Equipment, Ship *124*
Loading & Unloading Equipment, Truck *124*
Lockhart Grain & Fertilizer Company, Inc. 185
Loders Croklaan B.V. 79
Lou Ana Foods, Inc. 91
Loveland Industries, Inc. 91
Lucas Ingredients Ltd. 65, 160
Lucas Meyer (UK) Ltd. 65
Lucas Meyer B.V. 79
Lucas Meyer France S.A. 66
Lucas Meyer GmbH & Company **67**
Lucas Meyer, Inc. 91
Lucas Meyer N.V. 59
Lucas Meyer S.A. 82
Lucas Meyer SRL 72
Lumen Food Corporation 91
Lurgi GmbH 161

M

M. P. Oil Extraction Ltd. 69
M/S- Spinzer Industries Ltd. (Ghee Mills) 80
Machinery Supply, Inc. 185
Madras Oil and Seeds Association, The 18
Magyar Elelmezesipari Tudomanyos Egyesulet 17
MAHO Distribution 66
Mallet & Company, Inc. 91
Mallinckrodt, Inc. 185
Malwa Vanaspati & Chemical Company Ltd., The 69
Man International Futures, Inc., E. D. & F. 185
Mandarin Soy Sauce, Inc. 91
Mannesmann Comercial S/A 156
Margarinbolaget AB 83
Margarine & Shortening Manufacturers' Association 16
Margarine
See Soybean Oil Margarine *42*
Margarine Equipment *124*
Margarine Packaging Equipment
See Soyfoods Packaging Equipment & Supplies *138*
Margarine-Institut für Gesunde Ernährung 17
Marketing Consultant
See Consultants, Marketing *110*
Marsa Margarin Sanayi A.S. 84
Marshall Labs, Inc. 185
Martin Sprocket & Gear, Inc. 185
Marubeni America Corporation 185
Marukin Shoyu Company, Ltd. 73
Marusan-Ai Company, Ltd. 73
Masiero Industrial S.A. 156
Material Level Controls *124*
Mathews Company 185
Matthews Foods PLC 65
Mayonnaise
See Salad Dressing *34*
Maywood Holdings, Inc. 185
Mazzoni S.p.A., G. 165
MBS Inc. 185
McCullough & Company 185
McKee Chile Ltda., Davy 158
McKee Corporation, Davy 157, 160
McKee del Plata, S.A. 154
McKee Engenhairia, S.A., Davy 156
McKee Ingenieria, C.A., Davy 196
McKee Pacific Pty. Ltd., Davy 154
McKee del Plata, S.A. 154
Meadow Lea Foods 59
Meal Dryers
See Dryers, Meal *116*
Meal, Soybean
See Soybean Meal *40*
Measurement Systems International 185
Meat Analogs
See Simulated Meat Products (Analogs) *34*
Meccaniche Moderne SRL 165
Meitar Apartos S.A. 154
Mercer Engineers, Inc. 186
Merrill Lynch 186
Mervo Products B.V. 79
Metal Detection
See Quality Control, Metal Detection *128*
Metal Products International, Inc. **186**
Miami Margarine Company 91, 186
Mid Continent Laboratories, Inc. 186
Mid-America Products, Inc. 186
Mid-Atlantic & Virginia Soybean Associations 26
Mid-South Metric Components Company 186
Middle East Analog Technology 81
Midland Enterprises, Inc. 186
Midwest Soya International, Inc. 186
Mighty Soy, Inc. 92
Mikropul Environmental Systems 186
Miles Inc. 186
Miller Farms Food Company, Inc. 92
Milling Equipment Supplies, Spare Parts & Repair *125*
Mills Brothers International, Inc. 186
Milltronics, Inc. 186
Ministerio de Industrias, Comercio e Integration (MICEI) 15
Ministerio de Recursos Naturales 17
Ministry of Agriculture 23
Ministry of Agriculture & Natural Resources 21
Minnesota Soybean Growers Association 26
Minnesota Waxy **92, 186**

— All Listings Are Free Of Charge — Please Contact Soyatech, Inc. For More Information

Miratrade International 157
Miso *33*
Mississippi River Grain Elevator, Inc. 186
Missouri Soybean Merchandising Council 26
Mitoku Company Ltd. 73, 165
Mitsubishi Chemical Industries, Ltd. 73
Mitsubishi International Corp. 186
Mitsui Grain Corporation 186
Miura Engineering Company, Ltd. 165
Mixing Equipment (Dry) *125*
Miyako Oriental Foods, Inc. 92
Mobarak & Company 64
Moisture Testers *126*
Molinos Rio de la Plata S.A. 58
Molinos Union del Yaqui S.A. de C.V. 77
Moore & Associates, N. Hunt **186**
Morinaga Nutritional Foods, Inc. 92
Mostert Oilseeds BV 168
Motomco, Inc. 187
Mubarakiah Poultry & Feed Company 166
Mycal Group, Nichii Company of America 92, **187**

N

Nacional de Almacenamiento y Comm. de Productos Agropecuarios (ENAC) 15
Nacional de Productos Vitales Emprovit 15
Nahrung Export-Import 17
Nam Board 28
Narsingh Extraction & Allied Products Pvt. Ltd. 70
Nash-Kinema, Inc. 187
Nasoya Foods 92
National Agricultural Cooperative Federation (NACF) 20
National Agricultural Library 26
National Association of Margarine Manufacturers (NAMM) 26
National Cereals & Produce Board 19
National Dryer Services, Inc. 187
National Flour Mills Ltd. 84
National Food Authority 21
National Grain Trade Council 27
National Livestock Cooperative Federation 20
National Marine, Inc. 187
National News Bureau 187
National Oilseed Processors Association (NOPA) 27
National Oilseed Processors Association (NOPA) Trading Rules For The Purchase And Sale Of Soybean Meal, 1990-1991 ..... *231*
National Oilseed Processors Association (NOPA) Trading Rules For The Purchase And Sale Of SoybeanOil, 1990-1991 231
National Sun Industries, Inc. 92
National Waterways Conference, Inc. 27
Nattermann & Cie. GmbH, A. 66
Natural Foods Merchandiser 187
Natural Health & Nutrition Center 92
Natural, Inc. 92
Natural Pacific Tofu 92
Nav Maharashtra Chakan Oil Mills 70
Nay Company, The 187
Ne-Tex Cooperative Oil Mill 92
Nebraska Soybean Program 27
Negociacion Industrial Santa Lucia S.A. 77
Neogen Corporation 187
Nestle (Thailand) Ltd. 84
Nestle, S.A. de C.V. 77
Neuero Corporation 187
New Jersey Feed Lab, Inc. 187
New Jersey Soybean Industry Advisory Council 27, 187
News Wires, Commodity *126*
Nihon Shoyu Kyokai 19
Nikka Fats & Oils Company, Ltd. 73
Nikken Foods Company Ltd. 187
Nippon Yuryo Kentei Kyokai 165
NIR Systems, Inc. 187
Nisshin Oil Mills, Ltd. (Japan), The 74
Nissho Iwai American Corporation 187
Nissho Iwai Corporation 165
NKS Eurotrade (UK) Ltd. 160
Noble Bean 62
Noblee & Thoerl GmbH 67, 161
Noctorum Holdings Inc. 157
Nolan Company, The 187
Nondairy Frozen Desserts *34*
Nondairy Ice Cream Products See Nondairy Frozen Desserts *34*
Nordiskt Forum for Lipid Forskning och Teknologi (LIPIDFORUM) 22
Norfolk Oil Transit, Inc. 187
Norfolk Southern Corporation 187
Norsk Hydro Electrolysers 168
Northern Soy 92
Northrup King Company 187
Nosawa & Company, Ltd. 165
Nosawa New York, Inc. 187
Nutricia - Loma Linda 92
Nutrimental S.A. 61
Nutrimul B.V. 79
Nutrisoy Pty. Ltd. 59

O

O. & L. Sels 67
Ocean Freight Line See Freight Line, Ocean *121*
Ocean Port Terminal See Terminal, Ocean Port *140*
Oelmüehle Hamburg AG 67
Ohaus Corporation 187
Ohio River Company & Orgulf Transport Company, The 188
Ohio Soybean Association 27
Oil & Fat Consulting 155
Oil Dryers See Dryers, Oil *116*
Oil-Dri Corporation of America 188
Oil/Protein/Fiber Analyzers *126*
Oils & Fats International Magazine & Directory 160
Oils and Seeds Importers Association of India 18
Oilseeds Board 22
Oilseeds Marketing Board For the State of New South Wales 13
OK Enterprises International Ltd. 188
Oleaginosas del Sureste S.A. 77
Oleaginosas Españolas, S.A. (OESA) 82
Oleica S.A. 64
Oleificio SABO 83
Oleoproteinas del Sureste S.A. de C.V. 77
Oliefabriek Lichtervelde, N.V. 60, 155
Oliefabrieken Debeil N.V. 60
Oliver Manufacturing Company, Inc. 188
Olivex Ltd. 71
Oljynpuristamo Oy 65
OLMECA S.A. 68
Olvebra Industrial S.A. 61
ONIDOL - SOJA 16
Ontario Soybean Growers' Marketing Board 14
Opco Industries Ltd. 168
Organic Foods Production Association of North America (OFPANA) 27
Organically Grown Soybeans See Soybeans, Organically Grown *136*
Organization Nationale Interprofessionnelle des Oleagineus (ONIDOL) 16
Oriac International 157
Osmonics Inc. 188
Osterreichische Unilever Ges.mbH 59
Oswal Agro Mills Ltd. 70
Ota Tofu Company 92
Oxford Analytical Inc. 188
Oxford Analytical Instruments Ltd. 160

P

P.A.T.M. Company 188
Pacific Foods 92
Pacific Soybean & Grain 188
Packaging Equipment & Supplies See Soyfoods Packaging Equipment & Supplies *138*
Pagaza & Sons Company 188
Paine Webber, Inc. 188
Pakistan Poultry Association 21
Paksoy Ticaret ve Sanayi AS 84
Panda Food Products, Inc. 92
Panel Systems Company 188
Pasir Gudang Edible Oils Sdn. Bhd. 75
Patel Brothers Services & Engineering Pvt. Ltd. 164

Patum Vegetable Oil Company, Ltd. 84, 170
PdT International, Inc. 188
Pellerin/Zenith, AB 170
Pelleting Equipment *126*
Pendleton Oil Mill, Inc. 92
Penta Manufacturing Company, Inc. 92
Perdue Farms, Inc. 93
Perdue, Inc. 93
Perstorp Analytical, Inc. 188
Philippine Association of Feedmillers, Inc. 21
Phillips 66 Company **188**
Phys-Chem Scientific Corp. 188
Physical Refining/Neutralization Equipment
See Refining/Neutralization Equipment, Physical *128*
Picard GmbH & Company KG, Carl Aug. 162
Picard Inc., C. A. 188
Pillsbury Company, The 188
Pitt-Des Moines, Inc. 188
Plant Construction
See Construction Contractors, Complete Plants & Protein Plants *107, 108*
Plant Maintenance Service Corporation 188
Plenty, Canada 14
Plenty U.S.A. 27
PMS Foods, Inc. 93
Pokonobe Industries Inc. 62
Ponndorf Maschinenfabrik GmbH 152
Pope Testing Laboratories, Inc. 189
Port of Houston Authority 189
Porter Testing Laboratory 189
POS Pilot Plant Corporation 157
Prater Industries, Inc. **189**
Premier Industries (India) Ltd. 70
Premier Products/American Soy Dairy 93
President Enterprises Corp. 83, 170
Presses, Continuous Screw *126*
Presses, Filter *127*
Presses, Hydraulic *127*
Prestige Foods Limited 70
Prices of U.S. Soybean Oil (T) *214*
Prices of U.S. Soybeans: No. 1 Yellow (T) *210*
Prices of U.S. Soybeans: Received by Farmers (T) *210*
Primeros Hidrogenadores de Aceites y Grasas Ecuatorianos S.A. 64
Pro-Fab, Inc. 189
Pro-Seed, Inc. 189
Process Systems, Inc. (PSI) 189
Prochem Mixing Equipment Ltd. 157
Procter & Gamble Ltd. 65
PRODEXPORT 21
PRODSYRIO Division of V/O EXPORTKHLEB 23
Producers Cooperative Association 93
Product Development
See Consultants, Product Development *110*
Productora Costarricense de Alimentos 63
Productora Nacional de Alimentos Balanceados S.A. 63
Productos Alimenticios Delicias S.A. de C.V. 77
Produtora e Refinadora de Oleos, S.A. (PRAZOL) 81
Profat Courtage 160
Professional Farmers of America 189
Progressive Development, Inc. 189
Promagri S.A. de C.V. 167
Promexport Canada Ltd. 157
Pronto Pty. Ltd./Riverland Oilseed Processors 59
ProSoya Foods International, Inc. 158
Protein Analyzers
See Oil/Protein/Fiber Analyzers *126*
Protein Dirivates Limited 80
Protein Foods and Nutrition Development Association of India (PFNDAI) 18
Protein Research Associates 93, 189
Protein Technologies International, Inc. 93
Proteinas Basicas, S.A. de C.V. 77
Proteinas Industriales La Laguna, S.A. de C.V. 77
Proteinas Naturales, S.A. de C.V. 78
Proteinas y Aceites del Bajio, S.A. de C.V. (PROTABSA) 78
Proteinas y Grasas S.A. (PROGRASA) 68
Publications/ Informational Services *127*
Pulverizing Equipment *128*
Punjab Cooking Oil (Pvt) Limited 80
Purina Protein de Mexico, S.A. de C.V. 78

Q

Quadro, Inc. 189
Quality Control/ Metal Detection *128*
Quality Food Oils, Inc. 93
Queensland Oilseed Crushers Pty. Ltd. 59
Quimica Sumex, S.A. de C.V. 167
Quincy Soybean Company 93
Quincy Soybean Company of Arkansas 93
Quong Hop & Company 93

R

Railroad Company
See Freight Line, Railroad Company *121*
Rainey Commodities, Inc. 189
Raision Tehtaat Oy Ab 65
Rajasthan Vanaspati Products Ltd. 70
Rapat Corporation, The 189
Rau, Neusser Oel und Fett AG, Walter 67
RBD Technologies 189
Recyclers, Spent Catalyst
See Spent Catalyst Recyclers *138*
Refined Soybean Oil
See Soybean Oil, Refined *48*
Refining/Neutralization Equipment, Chemical *128*
Refining/Neutralization Equipment, Physical *128*
Reinartz GmbH & Company KG, Maschinenfabrik **162**
Reinstein & Sons Ltd., A. 168
Reliance Electric Company 189
Resegue Industria e Comercio S.A. 156
Riceland Foods, Inc. 93
Rich Products Corporation 93
Richeson & Sons, Inc., W. L. 189
Rickel, Inc. 94, 189
Ring Around Research Center 189
River Grain Company 189
Riverland Oilseed Processors Pty. Ltd. 59
Riz & Denrees S.A. 161
Roach Ag. Marketing Ltd. 190
Roasters
See Cookers/Extruders/ Roasters *112*
Robinson Milling Systems 190
Roby & Associates Inc., Dennis E. 190
Rolfes Company, George A. 190
ROLIMPEX 21
Rolland Engineering, Inc. 190
Rose International 94, 190
Rosewood Products Inc. 94
Roskamp-Champion 190
Rotex Inc. 190
Rotterdamsche Margarine Industrie (ROMI) BV 79, 168
Rustco Products Company 94
Rykoff & Company, S. E. 94

S

S.I.B. N.V. 155
SAFFOLA Quality Foods, Inc. 94
SAFRAS & Mercado 156
SAIS 83
Salad Dressing *34*
Salad Oil
See Cooking/Salad Oil *30*
Salamon & Seaber Ltd. 160
Salim Graha, P. T. 71
Salomon Inc., L. A. 190
Sam Lip Oil & Fats Company, Ltd. 75
Sam Sung Foods Inc. 94
Samplers, Automatic
See Automatic Samplers *102*
SAMRIG S.A. **61**
San Labs 190
San-J International, Inc. 94
San-Jirushi Corporation 74

Sanders Elevator Corp. 190
Sanitizing Equipment & Supplies See Cleaning/Sanitizing Equipment & Supplies *105*
Santa Fe Tempeh 94
Sardar Oil Mills Limited 80
Sato & Company, Ltd. **165**
Saudi Davy Company Ltd. 168
Sauer Company, The C. F. 94
Saumweber GmbH, A. 68
Savola Company, The 81
Saybolt & Company, E. W. 190
Scaldiswerken Ruien N.V. 60
Scales *130*
Scandura, Inc. 190
Schipke Engineers 190
Schlagel, Inc. 190
Schnupp's Grain Roasting, Inc. 94, 190
Schokhi Industrials Pvt. Ltd. 70, 164
Schouten Commodities B.V. 79, 168
Schouten USA Inc. 190
Schwäbische Hüttenwerke GmbH (SHW) 162
Scoular Grain Company 190
Screeners/Screening Equipment *130*
Screening Equipment See Screeners/Screening Equipment *130*
Screw Conveyor Corporation 190
Seaboard Trading Limited 190
Seedburo Equipment Company 190
Separators See Fat Splitters/Separators *119*
SERCOM S.A. 161
SERVCO S.p.A. 165
Service de Industries Alimentaires Direction de l'Industrie 20
Seymour Organic Foods 94
SGS Control Services, Inc. 190
Shanzer Grain Dryer 191
Share of World Soybean and Product Exports (G) *225*
Share of World Soybean Production by Major Countries and All Others (G) *204*
Shefa Protein Industries Ltd. 71
Shemen Ind. Ltd. 72
Shemen Industries Ltd./Etz-Hazayith Ltd. 72
Shivvers, Inc. 191
Shortening See Soybean Oil Shortening *44*
Shortening Equipment *130*
Showa Sangyo Company Ltd. 74
Shree Mansingka Oil Mills Ltd. 70
Shree Shiv Shakti Ghee Udyog Pvt. Ltd. 78, 167
Siegel Chemical Export Corporation 191
Siftex Equipment Company 191
Sigco Sun Products, Inc. 191
Sikes Machine Shop, Inc. 191
Silo Storage See Elevator & Silo Storage *117*
Simeral & Company, Inc., W. M. 191
Simes, Inc. 191
Simons-Conkey, Inc. 191
Simons-Eastern Consultants Inc. 191
Simple Soyman, The 94
Simulated Meat Products (Analogs) *34*
Sinar Technology 160
Skandinavisk Levnedsmiddel Rådgivning A/S 159
SKET - Schwermaschinenbau-Kombinat Ernst Thälmann 162
Slidell, Inc. 191
Smico Manufacturing Corp. 191
Smith & Company, Inc., A. R. 191
Smith, Barney, Harris, Upham & Company, Inc. 191
Snow Brand Milk Products Company, Ltd. 74
Soap & Detergent Association, Glycerine & Oleochemical Division 27
Soapstock Equipment *132*
Sociedad Aceitera del Oriente S.A. (SAO) 60
Sociedad Iberica de Molturacion, S.A. (SIMSA) 82
Sociedade Nacional de Saboes, Lda. 81
Societe d'Exploitation Des Produits Oleagineux (SEPO) 78
Societe Industrielle des Oleagineux (SIO) 66
Societe Interoleagineuse D'Assistance et de Developpement (S.I.A) 16
Societe Mediterraneene pour les Echanges et les Realisations Commerciales 161
Société Soy 66
SOJADOC 66
Solbar Hatzor Ltd. 72
Solnuts B.V. 79
Solnuts, Inc. 94
Solvent Extraction Distillation Equipment *132*
Solvent Extraction Equipment *133*
Solvent Recovery Condensers See Condensers, Solvent Recovery *107*
Solvent Vapor Detection & Control *134*
Solvents *134*
Sonne, Inc. 94
Sonntag, PhD., Norman O. V. 191
Soon Soon Oilmills SDN BHD 75
Sosland Publishing Company 191
South American News Agency, Inc., The 191
South River Miso Company 94
Southern Testing and Research Laboratories, Inc. **191**
Sovex Natural Foods, Inc. 94
Soy Fiber *34*
Soy Flakes (Full Fat) *34*
Soy Flour *36*
Soy Flour, Full Fat *36*
Soy Flour, Textured *37*
Soy Flour/Soy Protein, Industrial-Grade *38*
Soy Food Centre 70
Soy Grits *38*
Soy Power Company, Inc. 94
Soy Protein Concentrates *38*
Soy Protein Council 27
Soy Protein Equipment & Supplies *134*
Soy Protein, Industrial-Grade See Soy Flour/Soy Protein, Industrial-Grade *38*
Soy Proteins, Isolated See Isolated Soy Proteins *32*
Soy Sauce *39*
Soy Sterols & Tocopherols *39*
Soy-Based Foods, Other *39*
Soy-Cot Sales, Inc. 192
Soya Foods 160
Soya Glossary *228*
Soya Hellas S.A. 68
Soya Mainz GmbH & Company Kommanditgesellschaft 68
Soya Technical Chart: Modern Soyfoods *241*
Soya Technical Chart: Soya Processing *239*
Soya Technical Chart: Soya Products *240*
Soya Technical Chart: Soyfoods — Composition and Nutrient Content *243*
Soya Technical Chart: Traditional Soyfoods *242*
Soyatech, Inc. **192**
Soybean and Product Exports by Major Countries (G) *225*
Soybean Breeder *134*
Soybean Digest 192
Soybean Fatty Acids *39*
Soybean Hulls *40*
Soybean Meal *40*
Soybean Oil, Crude *45*
Soybean Oil, Crude Degummed *46*
Soybean Oil, Fractionated *47*
Soybean Oil, Hydrogenated *47*
Soybean Oil, Industrial-Grade *47*
Soybean Oil Margarine *42*
Soybean Oil Products, Edible *44*
Soybean Oil, Refined *48*
Soybean Oil Shortening *44*
Soybean Processors Association of India (SOPA), The 18
Soybean Seed Supplier *134*
Soybean Usage in the U.S. (G) *208*
Soybeans *50, 134*
Soybeans, Food Use *136*
Soybeans, Organically Grown *136*
Soyco Foods 94
Soyeh Natural, Inc. 94
Soyfoods *50*
Soyfoods Association of America 28
Soyfoods Center 192
Soyfoods Equipment & Supplies See Soymilk & Tofu Equipment & Supplies *138*

Soyfoods of America 95
Soyfoods Packaging Equipment & Supplies *138*
Soymilk & Tofu Equipment & Supplies *138*
Soymilk, Drinks or Beverages *50*
Soymilk, Spray-Dried *50*
Soynuts *50*
Soypro International, Inc. 192
Soyworld, Inc. 95
Spads Biotechnica (P) Ltd. 164
Sparks Companies, Inc. 192
Specialty Fabrication, Inc. 192
Specialty Grain Company 95, 192
Specialty Grains, Inc. 192
Spent Catalyst Recyclers *138*
Spinks Clay Company, Inc., H. C. 192
SPP Cambridge 160
Spray-Dried Soymilk
See Soymilk, Spray-Dried *50*
Spray-Dried Tofu
See Tofu, Spray-Dried *51*
SPRAYLAC S.R.L. 58
Spring Creek Natural Foods 95
Springfield Creamery 95
Sprout-Bauer, Inc. 192
Staley Manufacturing Company, A. E., Gunther Division 95, 192
STAR Stabilimento Alimentare S.p.A. 72
Star Systems, Filtration Division 192
State Department of Agriculture 21
State Trading Corporation of India Ltd., The 18
Steelcraft Corporation 192
Step Ltd. STI 171
Stern & Sons, Inc., Jacob 95, 192
Stern-Chemie 68
Stine Seed Farm, Inc. 192
Stone Forwarding Company, Inc. 192
Storage, Bulk Liquid *139*
Storage Equipment & Supplies *138*
Stord International A.S. 168
Stout Industrial 192
Strayer Seed Farms **192**
Stuart Equipment Company 192
Sturtevant Inc. 193
Süd-Chemie AG 162
Sulzer Chemtech, c/o Sulzer USA Inc. 193
Sulzer-Escher Wyss GmbH 162
Sumitomo Corporation 166
Sumitomo Corporation of America 193
Summercorn Foods, Inc. 95
Superior Welding Company 193
Surata Soyfoods, Inc. 95
Surveys
See Weighing Services & Surveys *141*
Svegma, AB 170
Swaika Oil Mills 70
Swan Gardens, Inc. 95
Sweco, Inc. 193
Sweet Manufacturing Company 193

T

Ta Ti Hsing Machinery Company, Ltd. 170
TAGOL S.A. 81, 168
Taiwan Feed Industries Association 23
Taiwan Soy Sauce Industry Association 23
Taiwan Tofu Association 23
Taiwan Vegetable Oil Manufacturers Association 23
Takai Tofu & Soymilk Equipment Company **166**
Tanaco Products 193
Tankay S.A. 58
Tanks, Crude Oil Storage *139*
Tata Oil Mills Company Ltd., The 71
Taus Trading Company 193
Tay Shan Enterprise Company Ltd. 84
Taylor Company Inc., James C. 193
Taylor-Stiles Division, J. H. Day Company 193
Tecnintegral Ltda. 158
Tempeh *51*
Temperature Monitors *139*
Terminal, Ocean Port *140*
Terminal, U.S. Interior Port *140*
Terral-Norris Seed Company, Inc. 193
Teth Beth Ltd. 72
Texaco Chemical Company 193
Textured Soy Flour
See Soy Flour, Textured *37*
Thanakorn Vegetable Oil Products Company, Ltd. 84, 171
Thionville Laboratories, Inc. 193
Thywissen GmbH, C. 68
Tiger on Spreads 193
Timmins Group, Inc. 95, 193
Tintometer Company (Lovibond), The 193
Toasters
See Cookers/Extruders/ Roasters *112*
Tocopherols
See Soy Sterols & Tocopherols *39*
Toepfer International, Inc., Alfred C. 193
Tofu & Tofu Products *51*
Tofu
See Tofu & Tofu Products *51*
Tofu Equipment & Supplies
See Soymilk & Tofu Equipment & Supplies *138*
Tofu Shop Specialty Foods Company, The 95
Tofu, Spray-Dried *51*
Tofukost-Werk TKW GmbH 68
Tofutti Brands Inc. 95
Tomanetti Foods, Inc. 95
Torigoe Flour Milling Company, Ltd. 74
Total World Soybean Production (G) *205*
Townsends, Inc. 95
Toyo Oil Mills Company, Inc. 74
Toyomenka (America), Inc. 193
Trading Company *140*
Tramco, Inc. **193**
Transac, Inc. 193
Transcomércio, Companhia de Comércio Internacional, S.A. 168
Transportation *141*
Trebor Industries Inc. 193
Tree of Life, Inc. 95
Tri-City Regional Port District 194
Tri-Star Soya Products Ltd. 71
Triple/S Dynamics, Inc. 194
Trucking Firm
See Freight Line, Trucking *121*
Tumaros, Inc. 95
Tuottajain Rypsi Oy 65
Turtle Island Foods 95
Tvornica za preradu soje 96, 196

U

U. S. O. P. Ltd. 162
U.S. Department of Agriculture 194
U.S. Dept. of Agriculture, Oilseeds & Products Division 28
U.S. Edible Fats and Oils: Supply and Disappearance (T) *219*
U.S. Exports: Soybean and Cottonseed Oils, U.S. Commercial and P.L. 480 (T) *223*
U.S. Exports: Soybean, Cottonseed and Sunflowerseed Oils by Country of Destination (T) *224*
U.S. Exports: Soybean Oil by Country of Destination (T) *222*
U.S. Exports: Soybean Oil, P.L. 480, Title I and III by Country of Destination (T) *223*
U.S. Exports: Soybean Oilseed Cake and Meal by Country of Destination (T) *222*
U.S. Exports: Soybeans by Country of Destination (T) *221*
U.S. Farm Marketings of Soybeans (T) *212*
U.S. Interior Port
See Terminal, U.S. Interior Port *140*
U.S. Oilseed Cake and Meals: Supply, Disposition and Price (T) *215*
U.S. Petrolon Industrial, Inc. 194
U.S. Soybean Acreage, Yield and Production (T) *199*
U.S. Soybean Crop Value (T) *211*
U.S. Soybean Exports As A Percent of Total Usage (G) *208*
U.S. Soybean Exports by Month (T) *220*
U.S. Soybean Exports by Port and Country of Destination (T) *221*
U.S. Soybean Harvested Acreage by State (T) *200*
U.S. Soybean Meal and Oil: Supply and Disposition (T) *207*
U.S. Soybean Meal: Average Wholesale Price (T) *213*

U.S. Soybean Meal: Beginning Stocks, Production, Exports and Domestic Disappearance (T) *214*
U.S. Soybean Meal: Prices Paid by Farmers (T) *213*
U.S. Soybean Oil Utilization (T) *218*
U.S. Soybean Oil: Supply, Disposition and Price (T) *218*
U.S. Soybean Planted Acreage by State (T) *200*
U.S. Soybean Planting and Harvesting Dates (T) *199*
U.S. Soybean Price Support Operations (T) *211*
U.S. Soybean Production by State (T) *201*
U.S. Soybean Yield by State (T) *201*
U.S. Soybeans: Supply, Disposition, Acreage/Yield and Price (T) *207*
UDY Corporation 194
Underwood Company, Inc., H. J. **194**
Unichema Chemie GmbH 162
Unichema North America 194
Union Pacific Railroad 194
Union Tunisienne Industrie du Commerce et de l'Artisanat (UTICA) 23
Unisoya, Inc. 62
United Catalysts Inc. 194
United Clays Inc. 194
United Edible Oils, Inc. 96
United Soya Products Ltd. 71
United States Department Of Agriculture Standards For Grain 1990 ..... *236*
UOP 194
Urschel Laboratories, Inc. 194
Used Equipment *141*

V

V. R. B. Enterprises 194
Valley Line Company, The 194
Value of U.S. Soybean Products and Crush Margin (T) *212*
Vamo Mills, N.V. 60
Van den Bergh Foods 96
Van Den Berghs & Jurgens Ltd. 65, 160
Van Sickle, Allen & Associates, Inc. 194
Vandemoortele, N.V. 60
VAREX Corporation 194
Vegetable Oils (Nigeria) Ltd. 80
Vegetarian Awareness Network/ VEGANET 28
Vegetarian Times Magazine 194
Vegoil Trading Company Ltd. 170
Verband der Futtermittelindustrie 13
Verband Deutscher Oelmuhlen e.V. 17
Verein der Getreidehandler der Hamburger Borse e.V 17
Vereniging van Nederlandse Fabrikanten van Eetbare Olien en Vetten VERNOF) 20
Vippy Solvex Products Ltd. 71
Virginia Soyworks 96
Vishwa Oil Products, Ltd. 71
Vitasoy (USA) Inc. 96, 194
Vitasoy International Holdings Ltd., The 68
Votator, Cherry Burrell Process Eq. Div. 194

W

W. D. & J. International 194
Walker Stainless Equipment Company, Inc. 194
Walter Maschinebau GmbH 161
Wan Jia Shiang Brewery Company Ltd. 84, 170
Warehousing *141*
Warning Systems *141*
Waste Water Treatment Equipment *141*
Waters Chromatography Division 195
Watt's Alimentos S.A. 62
Weigh Right Automatic Scale Company 195
Weigh-Tronix, Inc. 195
Weighing Services & Surveys *141*
Wellens & Company, Inc. 195
Wenger Manufacturing, Inc. 195
West Bend Elevator Company 96
West Central Cooperative 96
West Weigh Scale Company 195
Westbrae Natural Foods 195
Western-Commercial Transport, Inc. 195
Westfalia Separator AG 162
Westinghouse Electric Corporation 195
White Flakes For Edible Purposes *51*
White Wave, Inc. 96
Whole Soybean Snacks See Soynuts *50*
Wilbur-Ellis Company 195
Williams Mill Supply Company, H. R. 195
Wilsey Foods, Inc. 96
Witt Corrugating, Inc. 195
Witter, Inc., D. W. 195
Wollner & Associates, Joel 195
Woodson-Tenent Laboratories, Inc. **195**
World Major Oilseeds: Supply and Utilization (T) *216*
World Major Protein Meals: Supply and Utilization (T) *216*
World Major Vegetable and Marine Oils: Supply and Utilization (T) *217*
World Soybean Production (T) *206*
World Soybean Production by Major Producing Countries and All Others (G) *204*
World Soybean Production, Forecast of Market Share, 1990/91 (G) *205*
Worthington Foods, Inc. 96
Wurster & Sanger, Inc. 195
Wysong Corporation 96

Y

Yamasa Shoyu Company, Ltd. 74
Yancey Ag Networks 195
Yang Oil & Feed Company, Sam, Ltd. 75
Yaupon Soyfoods 96
Yeo Hiap Seng (M) BHD 75
Yeo Hiap Seng Ltd. 81
Yoshihara Oil Mill, Ltd. 74
Young, John H. 195
Younglove - Planners, Engineers, Constructors 195
Yuryo Yushutsunyu Kyogikai 19

Z

Zam Zam Enterprises (Pvt) Limited 80
Zemedelske Zasobovani A Nakup 15
Zenkoku Margarine Seizo Kyodo Kumiai 19
Zenkoku Tofu Aburage Shoko Kumiai Rengokai 19
ZENTRAL - KOMMERZ GmbH 17
Zimmerman Equipment Company **196**
Zone Devices Inc. 196
Zuaitzo Proteinas Vegetales 83

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Advertiser Index

Alfa-Laval Food Engineering A.B. 135

American Colloid Company 144

American Oil Chemists' Society (AOCS) 12, 260

American Soybean Association (ASA) 10

Anderson International Corp. 9

APV DTD, Soya Technology Division 264

Archer Daniels Midland Company ..... Back Cover

Bean Machines, Inc. 138, 145

Brimmekamp & Company, Inc., Carl G. 121

Buhler Inc. 98

Bunge Corporation 41

Calsicat 8, 146

Campro Agra Limited 113

Centrico, Inc. 4

Cleary Products, Inc., W. A. 33

Clofine Dairy & Food Products, Inc. 49, 54

Crown Iron Works Company 2

Damman-Croes S.A. 105

Divine Engineering, Inc. 111

Edelsoja GmbH 1

Extraction De Smet S.A., N.V. 262

Fractionnement Tirtiaux, S. A. 114

Fa. L.I. Frank 36

French Oil Mill Machinery Company, The 131

Grace Company, W. R. ..... 6 & 7, 147

Howes Company, Inc., S. 103

Hudson Tank Terminals Corporation 263

Identity Seed & Grain Company 136

Illinois Crop Improvement Association 24

Indiana Crop Improvement Association 136

International Soybean Program (INTSOY) 25

Kawanishi Shoko Company, Ltd. (U.S.A.) 139

Krupp Maschinentechnik GmbH 261

Laidig Industrial Systems 148

Lucas Meyer GmbH & Company ..... Inside Front Cover

Metal Products International, Inc. 125

Minnesota Waxy 55

Moore & Associates, N. Hunt 97

Mycal Group, Nichii Company of America 35, 56, 149

Phillips 66 Company 132

Prater Industries, Inc. 142

Reinartz GmbH & Co. KG, Maschinenfabrik 109

SAMRIG S.A. 37

Sato & Company, Ltd. 137, 150

Southern Testing and Research Laboratories, Inc. 101

Soyatech, Inc. 43, 129

Strayer Seed Farms 151

Takai Tofu & Soymilk Equipment Company 140

Tramco, Inc. ..... Inside Back Cover

Underwood Company, Inc., H. J. 133

Williams Mill Supply Company, H. R. 130

Woodson-Tenent Laboratories, Inc. 102

Zimmerman Equipment Company 115

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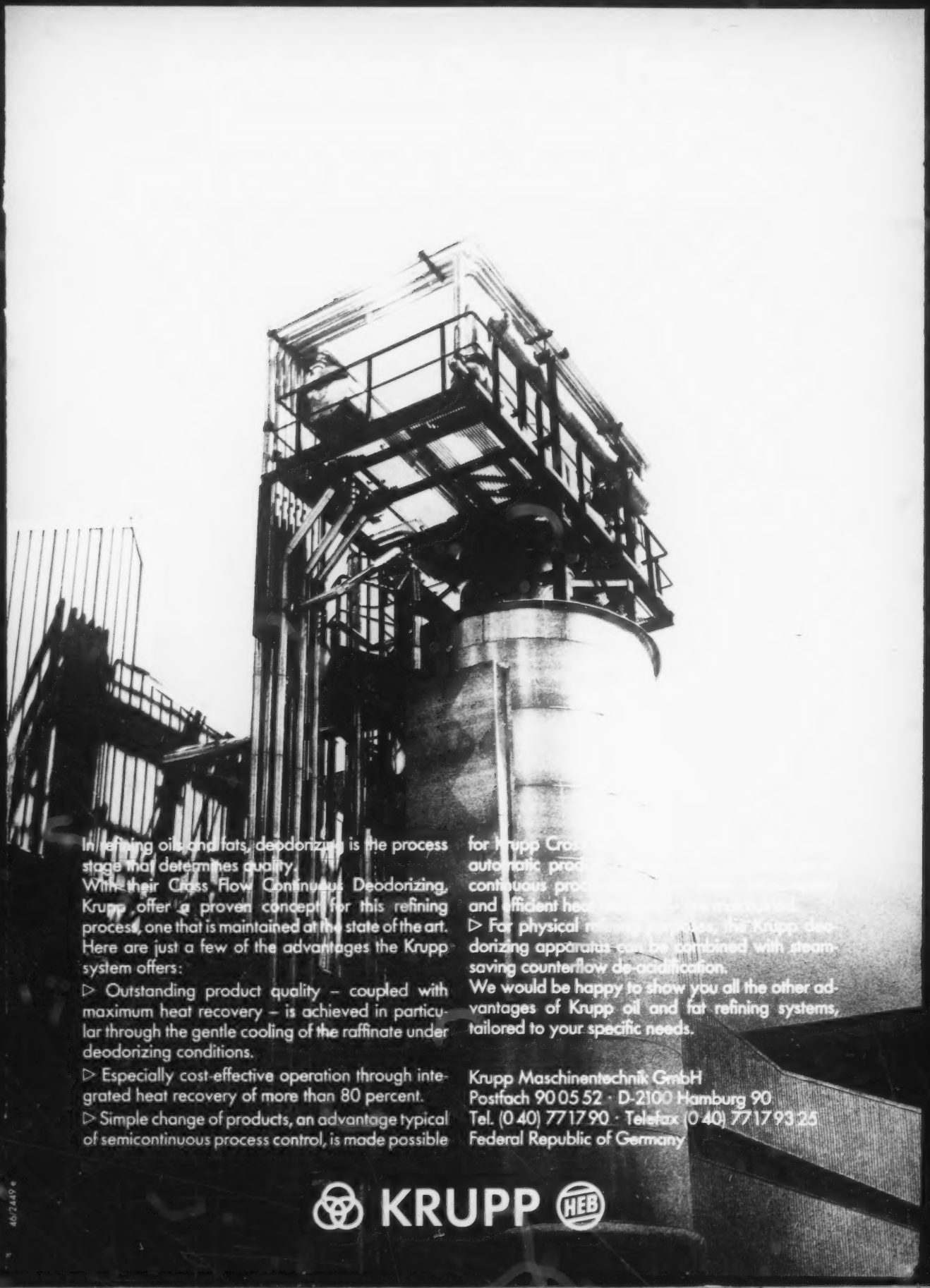

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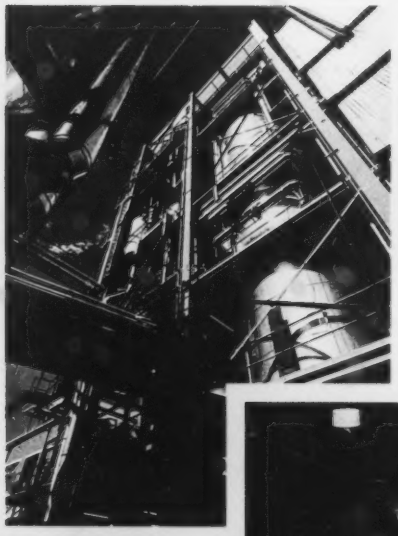

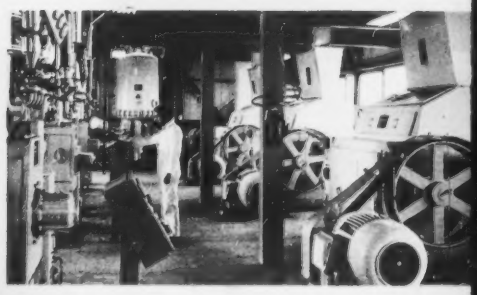

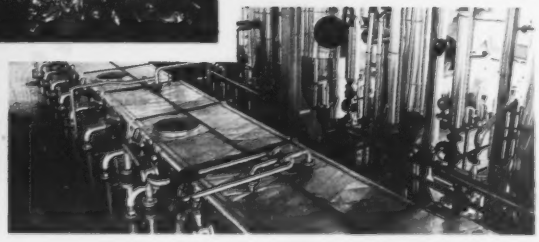

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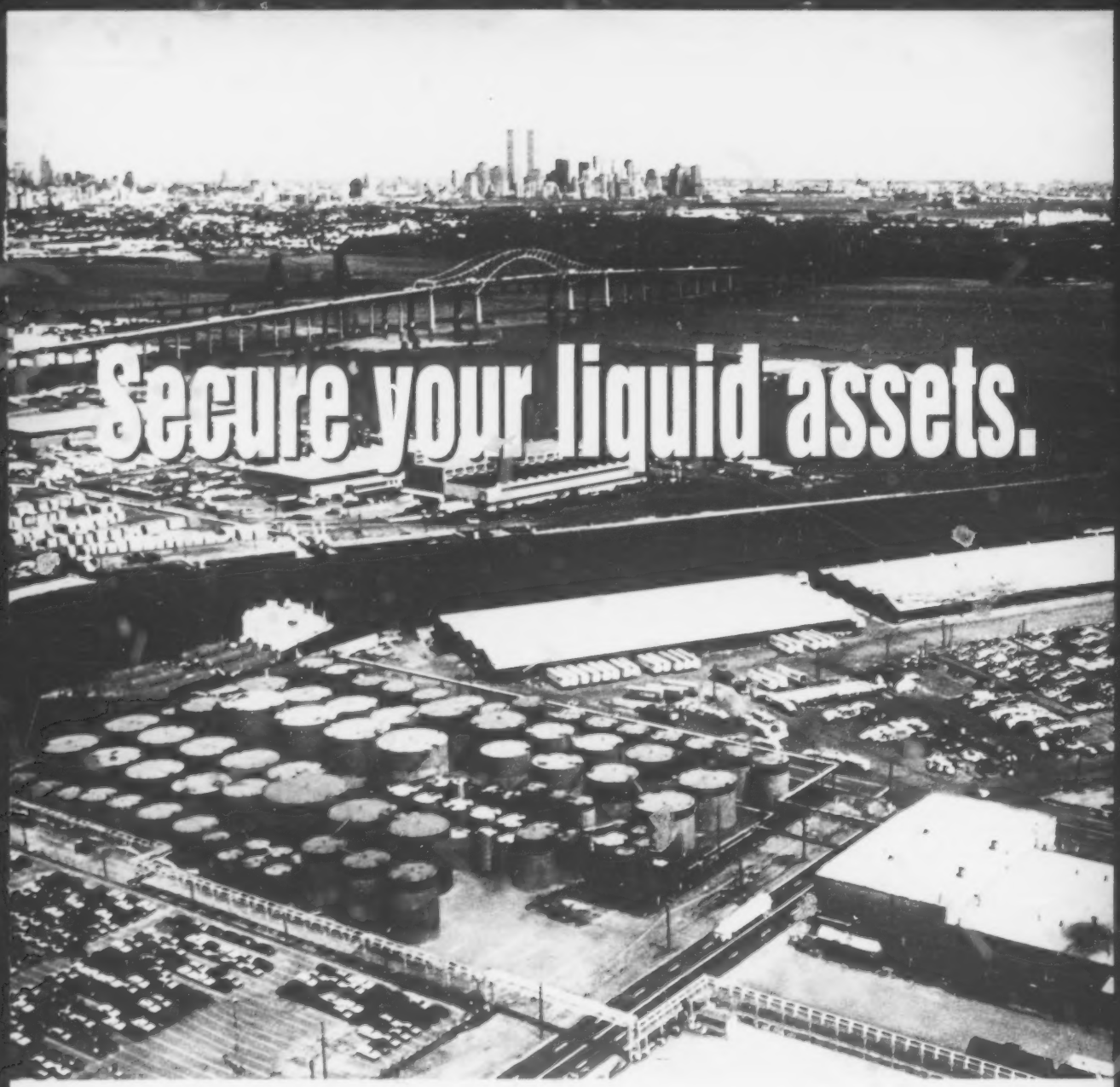

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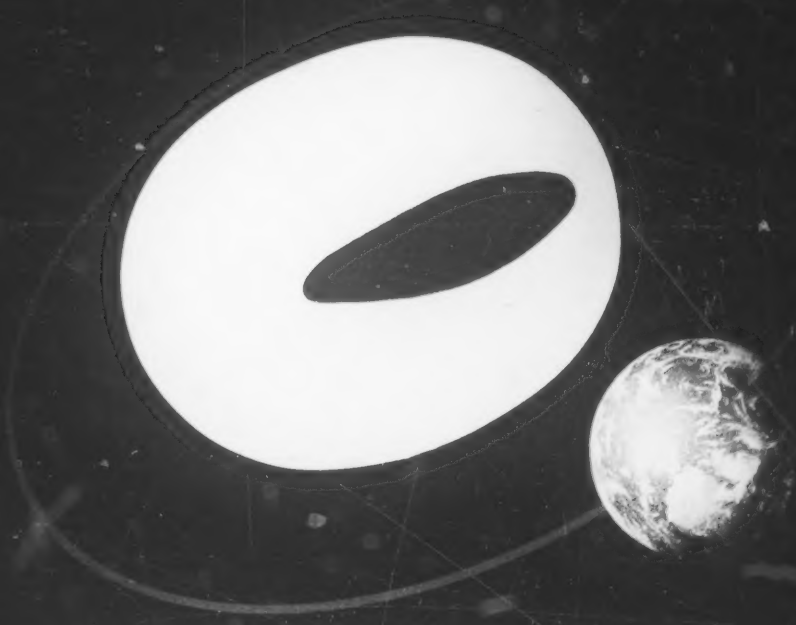

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